Cumulative Indexes of Volumes 1–49: Author Index

ELSEVIER

Cumulative Indexes of Volumes 1–49: Author Index (1999) 171–184

BIOELECTROCHEMISTRY AND BIOENERGETICS

www.elsevier.nl/locate/bioecechem

Bioelectrochemistry and Bioenergetics Cumulative Indexes of Volumes 1–49: Author Index

The **Author Index** contains the names and initials of all authors having ever published in the journal *Bioelectrochemistry and Bioenergetics*. The names are naturally listed in alphabetical order and are followed by a reference code (volume:page) of their contributions. No distinction has been made between first authored and co-authored items.

Abatangelo, G. 17:339
Abbate, M. 35:81
Abdel-Hamid, M.I. 12:475
Abe, T. 22:411
Abel, H. 19:173
Abidor, I.G. 6:37, 7:83, 7:413, 7:617, 9:133, 9:141, 9:149, 12:155, 26:131, 34:31
Abo El-Maali, N. 24:155, 26:485, 27:465, 38:91, 45:281
Abreo, K.D. 41:191
Acerete, C. 11:279, 15:113
Achilli, M. 26:237
Ackermann, R. 27:413
Adamek, M. 35:29
Adey, W.R. 5:67, 15:447
Adolphe, M. 30:133
Agalidis, I. 7:775
Aggarwal, A.R. 11:129
Agostiano, A. 10:377, 12:499, 17:17, 17:325, 23:301, 23:311, 38:15, 38:25, 42:255
Agostinho, P. 38:297
Agraz, R. 34:53
Ahmed, M.E. 11:449, 12:205, 12:475, 16:485, 16:497, 25:137, 34:77, 38:359
Ahmed, Z.A. 16:485, 16:497, 24:165, 25:137, 34:77, 36:149, 38:359
Ahn, B.K. 1:180, 2:142
Aihara, M. 29:103, 29:113, 39:135
Aityan, S.K. 1:301, 4:30, 4:45
Aizawa, M. 20:169, 22:23, 26:307
Aizenberg, O.A. 34:5
Ajayan, P.M. 41:121
Ajiki, S.-i. 26:117, 41:127, 43:71
Akatsuka, K. 39:309, 41:167
Akiba, M. 32:277
Aksyonov, S.I. 35:39
Akutsu, H. 28:191
Akyel, Y. 43:27, 43:227
Alabiso, G. 16:347
Albers, W.M. 42:25
Aldez, A. 11:279
Aldinucci, C. 44:243
Aldunate, J. 38:355, 43:151
Aleixo, L.M. 29:135
Aleman, H. 5:285
Alemdaroglu, T. 8:49
Alexandre, S. 19:247, 20:215
Alexandrov, V.I. 47:143
Alfaro, I.M. 38:307
Ali, A.M.M. 26:485, 33:201
Alipov, Ye.D. 27:405, 31:49, 34:5, 37:85
Alkharafi, F.M. 8:287
Allakhverdiev, S.I. 48:53
Allen, M.J. 1:408, 2:177, 2:198, 3:84, 3:305, 5:52, 5:776, 6:197
Alls, J.L. 47:253
Alonso, R.M. 19:533, 32:57
Alonso-Romanowski, S. 42:187
Alvarez, R. 44:37
Alvarez-Icaza, M. 33:191
Alvarez-Lueje, A. 46:21
Alves da Silva, M.A. 22:379
Amblard, G. 7:353, 11:37
Ames, J.R. 21:269, 28:443, 36:171
Amiconi, G. 15:521
Amine, A. 28:117, 34:123
Amoroso, R.L. 41:39
An, D.J. 43:253
An, Z.L. 42:283
Andersen, J.E.T. 44:57
Anderson, C.W. 5:196
Andre, J.C. 18:127
Andreoli, R. 8:223, 9:541, 12:543
Andreyeva, L.S. 22:403
Androuseva, S.I. 4:18
Angelova, M.I. 19:323
Anglesio, L. 36:9
Angnes, L. 29:215
Anita 33:71
Ano, T. 43:123, 48:383
Antonenko, Yu.N. 13:85, 19:499, 41:187
Antonini, G. 15:79, 16:159, 23:265
Anzai, J. 40:35
Apollonio, F. 47:199
Apostolova, E.L. 26:79
Arad, G. 44:209
Arai, K. 31:65, 33:159
Arakelyan, V.B. 6:37, 6:53, 6:63, 6:71, 6:81, 6:89, 6:97
Arancia, G. 26:177, 34:45
Araya, R. 17:523
Ardeleanu, I. 11:273
Argese, E. 13:385, 36:165, 38:397
Arnold, K. 12:217
Arock, M. 44:279
Arora, J.P.S. 10:57, 10:289, 10:441, 13:329
Arratia, A. 17:523, 23:81, 36:67
Arrio, B. 38:169, 46:55
Artuc, M. 18:263
Arvia, A.J. 6:493, 9:469, 10:239, 16:213
Asada, Y. 41:127
Asai, M. 28:489
Asai, T. 44:271
Asakura, T. 26:167
Asami, K. 40:141, 45:139
Ascherl, R. 14:135, 14:161
Ascoli, F. 15:521, 17:27
Asencor, F.J. 24:203
Ashcroft, R.G. 5:37
Asperger, L. 17:399
Assailly, J. 8:515
Astbury, J.C. 10:87, 10:109
Astumian, D. 25:455
Astumian, R.D. 15:457, 21:319, 39:67
Atrat, P. 25:285
Atta, N. 38:229
Augsten, K. 12:119, 38:415
Avram, D. 40:159
Avranas, A. 29:223
Azab, H.A. 27:229
Azanza, M.J. 30:43
Azmani, A. 38:63
Azzouz, N. 24:13
Babincova, M. 32:187, 41:221, 42:35
Bach, D. 48:361
Bachurin, S.O. 46:185
Bacic, G. 7:345, 7:405
Bagramyan, K. 43:129
Bagramyan, K.A. 39:13
Baier, R.E. 16:27
Bailey, F. 21:333
Bailey, S.I. 19:521
Bakás, L.S. 20:257
Bakiene, E. 42:263
Balcarova, Z. 9:245
Balcer-Kubiczek, E.K. 43:1
Baldassarre, L. 10:185
Bamford, D.H. 42:263
Bandyopadhyay, S. 13:267
Banerjee, S. 31:179
Banerji, A. 27:105
Banissis-Abourdy, C. 28:127
Banni, S. 18:179
Bar-Shimon, M. 42:133
Bara, M. 9:517, 11:389, 13:39, 15:383, 15:427, 15:431, 24:361, 39:203, 45:131, 48:407
Baracca, A. 28:177
Baranowski, T.J. (Jr.) 12:323
Barber, J. 38:9
Barber, M. 43:91
Barber, T. 16:301
Bardasano, J.L. 30:203, 38:173
Bardou, F. 38:105
Barendrecht, E. 9:743, 17:297
Barilati, G. 3:1
Barker, G.C. 3:373
Barnaby, E. 19:347
Barnes, F.S. 47:207
Barnett, A. 25:163
Barrau, M.B. 19:413
Barria, J. 11:425
Bartoletti, D.C. 28:235
Bartsch, G. 42:221
Bason, L.M. 43:35
Bassoli, J. 14:183
Batista, U. 35:99
Battini, R. 8:223
Battistuzzi-Gavioli, G. 8:223, 12:543
Bauer, E. 5:335, 12:119, 20:279, 32:89
Bauerle, P. 29:29
Baumann, M. 42:221
Baumann, W. 46:215
Bawin, S.M. 5:67
Baylink, D.J. 35:87
Bear, J.L. 5:741
Bechev, B. 27:45
Becker, F.F. 36:115
Becker, R.O. 1:187, 3:49
Becker, U. 27:347
Beckers, F. 3:58
Becucci, L. 39:227, 46:205
Behari, J. 47:247
Behrens, G. 18:147
Bekhiet, G.E. 45:275
Bélanger, D. 22:159
Belehradek, J. (Jr.) 38:203, 43:253, 43:279
Beltrame, F. 8:387, 9:645

Belyaev, I.Ya. 27:11, 27:405, 31:49, 34:5, 37:85
Belyaeva, O.A. 9:23, 9:31
Ben-Hur, E. 17:175
Benamar, B. 30:133
Benavente, G. 20:125
Bendell-Young, L.I. 13:255
Benedetti, A. 18:187
Benedetti, L. 8:223, 9:541, 12:543
Benicha, M. 38:63
Benko, H. 43:265
Bennett, J.E. 16:371
Bennouna, M. 38:63
Benoit, E. 40:175
Benov, L.C. 27:53
Bentall, R.H.C. 16:531
Bentrup, F.W. 44:95
Benz, R. 7:723
Bere, A. 7:595
Berendson, J. 47:11
Berezin, I.V. 4:314, 12:267
Berg, A. 39:295, 44:155
Berg, H. 2:287, 3:241, 3:359, 4:464, 4:522, 5:335, 5:347, 7:503, 8:71, 8:167, 8:537, 9:223, 11:181, 12:119, 14:417, 15:513, 16:135, 20:279, 25:455, 26:87, 27:89, 28:341, 31:1, 31:77, 32:89, 36:149, 38:149, 38:153, 38:383, 38:415, 38:423, 39:181, 41:161, 41:213, 41:227, 43:67, 44:227, 44:233, 44:275, 45:261, 46:263, 46:293, 47:3, 47:89, 47:167, 47:175, 48:355, 48:369, 48:485
Berg, J. 1:459
Bergel, A. 27:475, 27:495
Berkopec, A. 35:115
Berkovic, G. 41:191
Berman, E.M. 5:63
Bernard, C. 1:200, 25:45
Bernhardt, I. 7:281
Bernhardt, R. 47:75
Bersani, F. 19:315, 43:77, 43:221
Berthon, G. 6:337, 8:49
Bertollini, A. 15:521
Berton, R. 30:13
Bertrand, Y. 18:117
Beruto, D. 30:13
Berzinskiene, J. 42:263
Bes, M.T. 38:179
Beschkov, V. 28:435
Beschkov, V.N. 34:185
Bessiere, J. 17:535, 40:175
Best-Belpomme, M. 9:527, 18:271, 19:541
Bettleheim, A. 43:19
Bezúch, B. 4:399
Bianchi, R. 11:89
Bianciardi, P. 26:63
Bianco, B. 28:355, 30:13, 30:35, 35:33, 44:215
Bianco, P. 6:385, 6:555, 8:239, 9:91, 11:319, 12:509, 15:57
Biaudet, P. 16:111
Bibikova, M.A. 10:477
Bicknell, G.V. 4:298, 6:461
Bienvenue, E. 27:449
Bier, F.F. 38:419, 39:221
Bier, M. 39:67
Bilitewski, U. 26:277
Binhi, V.N. 45:73
Binninger, D.M. 43:83
Bisch, P.M. 5:401, 5:780, 32:305
Biswal, U.C. 12:57
Biswas, S. 48:423, 48:431, 48:435
Bivas, I. 23:271
Bizien, A. 28:127
Bizouarn, T. 24:215
Black, J. 12:323
Blackman, C.F. 39:77
Blad, B. 45:169
Blaha, C.D. 5:504
Blancher, A. 25:295
Blanchet, P.-F. 38:333
Blank, M. 1:293, 2:321, 3:15, 4:209, 5:535, 9:427, 9:439, 9:615, 10:451, 11:477, 13:93, 13:317, 16:559, 17:349, 19:569, 21:307, 22:313, 24:51, 28:291, 28:301, 30:85, 31:27, 32:203, 33:109, 33:115, 37:153, 38:267, 38:275, 39:215, 40:63, 42:231, 44:111, 45:253, 46:139
Blaskó, K. 19:127, 40:9
Blazquez, M. 12:25, 16:317, 16:325
Blein, J.P. 7:757
Bliss, J.G. 20:57, 28:235
Blott, B.H. 30:43
Blottner, S. 1:343
Blount, H.N. 7:447
Blumel, G. 14:161, 30:127
Bobanovic, F. 30:209, 30:221, 43:285
Boccacci, M. 16:449
Bochev, P. 27:45
Bockris, J.O'M. 21:133
Bodger, P.S. 43:35
Bogaczyk, M.C. 12:93
Bogdanovskaya, V.A. 2:69, 3:589, 4:314, 6:393, 19:581, 27:509
Boguslavsky, L.I. 1:506, 4:68, 4:155, 4:225, 9:551, 10:477, 10:485, 10:493, 11:167, 23:271
Boheim, G. 12:329
Bojarska, E. 14:503, 16:287, 33:181, 39:241
Boldt, E. 20:45
Bollo, S. 34:13, 38:355, 43:151
Bolognani, L. 32:155
Bolterauer, H. 41:71, 48:285, 48:301
Bolton, J.S. 41:81
Bona, X. 9:103
Bonaventura, C. 48:79
Bond, J.D. 12:177
Bontempelli, G. 17:339
Borchert, H.-H. 48:233
Bordi, F. 22:135, 26:177, 34:45, 41:197, 49:51
Bordin, G. 46:45
Borg, D.C. 19:477
Borisova, M.P. 2:1
Borover, G.Y. 7:309
Borrini, S. 9:379
Bors, W. 18:37
Borsari, M. 26:123, 27:229
Borst-Pauwels, G.W.F.H. 3:230, 16:519
Bosch, J. 3:614
Bosco, M. 32:181
Botelho, M.J. 48:61
Botré, C. 2:314, 4:54, 6:27, 6:451, 8:201, 23:361, 27:487
Botré, F. 11:89, 23:361, 27:487, 48:463
Botta, G. 16:509
Bottger, M. 8:33
Bottin, H. 9:157
Bottomley, L.A. 8:213
Bouchta, D. 31:179, 38:63
Bound, G.P. 3:158
Bourd, G.I. 10:315
Bourre, J.M. 18:247
Bousquet, U. 25:213, 26:223, 48:135
Bouteau, F. 26:223, 31:215, 48:135
Bove, M. 38:255
Bowden, E.F. 7:447
Bowmaker, G.A. 17:457, 17:473
Boxman, A.W. 16:519
Brabec, V. 5:635, 7:69, 7:793, 8:437, 8:451, 9:245, 11:245, 19:145, 21:199
Brady, F.O. 1:67
Brainina, K.Z. 8:479
Brajter-Tóth, A. 8:413, 9:39
Brandisky, K. 48:201
Brasseur, R. 9:489, 17:111
Bratko, D. 13:459, 20:291
Bratkowski, W. 39:241
Brauer, E. 3:509, 5:223
Bresnahan, W.T. 7:125, 9:365, 11:299
Brett, A.M. Oliveira 22:379, 28:105, 31:311, 42:111, 42:175
Brezeanu, A. 44:257
Brezina, M. 7:61
Bridelli, M. 8:555
Brighton, C.T. 12:323
Brischwein, M. 46:215
Britten, J. 4:209
Britten, J.S. 1:293, 2:321, 3:15, 5:535
Britto, P.J. 41:121
Brivio, G. 3:92
Broers, D. 27:281
Brolin, S.E. 4:257
Brooks, M.A. 10:37
Broude, N. 33:19
Brown, J.M. 7:469
Brown, R.E. 28:235
Brugere, H. 28:127, 30:195
Brugere-Picoux, J. 28:127
Brumen, M. 6:227, 43:97, 46:79
Brummer, S.B. 2:13
Brun, A. 30:293, 30:313
Bruni, C. 14:155, 14:179
Brunori, M. 15:79, 15:521, 16:159, 17:27, 21:55, 29:177
Bruschi, M. 12:509, 15:57
Bryant, G. 19:347
Brzobohaty, B. 9:333, 9:345
Brzostowska-Smolska, M. 44:163
Buck, R.P. 28:387
Buckmann, A.F. 42:95
Buettner, G.R. 18:29
Bulychev, A.A. 43:41, 46:71, 48:141
Bumann, J. 29:185
Bunjes, N. 42:241
Burger, K. 2:329, 20:33
Burmicz, J.S. 8:459
Butko, P. 21:213, 23:153
Butt, H.J. 38:191
Buvet, R. 1:14, 3:33, 3:491, 9:103, 9:299, 12:167, 17:121, 18:13, 18:137, 28:127
Bynum, L.M. 2:184
Byzova, N.A. 40:249
Bzowska, A. 39:241
Caballero, M. 24:33
Cabanes, P.-A. 48:17
Caccia, M.R. 14:215
Cadet, J. 18:155
Cadossi, R. 14:115, 14:145, 14:151, 14:235, 19:315
Cahen, G.L. 9:229
Cai, G.P. 40:15, 45:127
Cai, X.H. 40:41, 45:33
Calabrese, C. 14:169
Calcabrini, A. 26:177, 34:45
Callot, H.J. 3:519
Calvas, P. 25:295
Calvayrac, R. 9:103, 9:527, 18:271, 19:541
Cametti, C. 22:135, 26:177, 34:45, 36:39, 41:197, 49:51
Cammack, R. 45:293
Campanella, L. 19:263, 21:55, 23:195, 23:361, 26:237, 29:177, 47:25
Campbell, C.B.G. 43:27
Campbell-Beachler, M. 45:103
Cannistraro, S. 9:197
Canters, G.W. 42:25
Cantet, J. 27:475
Cao, G.G. 39:167
Cao, G.H. 37:131
Caorsi, S. 30:27, 30:55, 35:103, 35:109
Capelletti, R. 8:555
Capelli, A. 14:151
Caplan, S.R. 28:5, 47:19
Caprani, A. 2:351, 6:413, 10:213, 10:229, 17:303, 19:207, 25:241, 29:277
Carpentier, R. 22:145, 22:391, 48:53
Casaleggio, A. 13:103, 14:13
Casati, R. 41:63
Caselli, M. 13:55, 14:275, 14:293, 15:353, 23:301, 42:255
Caspers, J. 9:489, 12:147, 17:277, 31:179
Cassia-Moura, R. 32:175, 42:193
Castellani, G. 43:77
Castelli, G.P. 28:177
Castelluccio, C. 28:177
Castelpietra, R. 14:215, 14:225
Catala, M.D. 30:203
Catalano, I.M. 8:315, 10:185
Catucci, L. 38:15, 38:25
Caullet, C. 4:242
Cauquis, G. 1:23, 1:525
Cautheron, D.C. 5:548
Cavazzoni, M. 28:177
Cavelier, G. 40:197
Ceccarelli, D. 18:203, 23:325, 42:169
Ceccherelli, F. 14:241
Ceccherelli, G. 14:115
Ceccherelli, G.B. 19:315
Ceglie, A. 10:377, 12:499, 17:17
Celis, J.E. 23:65, 25:325, 28:269
Cemazar, M. 35:23, 39:61, 43:253, 43:279
Cénas, N.K. 8:103, 11:61, 12:583
Cerf, G. 9:439

Cesaro, A. 12:443, 12:455
Cha, C.S. 36:73, 42:63
Chabert, C. 19:67
Chamberlain, S.C. 45:111
Champagne, G.Y. 22:159
Chan, L.T. 26:211
Chande, A. 19:21
Chang, H.C. 24:347
Chang, H.W. 20:45
Chang, M. 33:151
Chanu, J. 3:474
Chanussot, F. 19:67
Charmasson, R. 13:229
Chastel, O. 23:167
Chatelain, J. 28:127
Chatterjee, C.L. 8:569
Chaudière, J. 18:247
Chauvin, F. 21:319
Chay, T.R. 12:183
Chekulaeva, L.N. 8:251, 26:139
Chemeris, N.K. 43:217, 46:267
Chen, A.K. 8:379, 8:703
Chen, C. 47:297, 48:87
Chen, E.C.M. 46:15, 48:69
Chen, E.S. 46:15
Chen, E.S.D. 48:69
Chen, G. 40:15, 45:127
Chen, H.Y. 44:45, 44:295
Chen, J.W. 19:491
Chen, S.H. 20:291
Chen, T. 37:125, 48:181
Chen, T.R. 11:75
Chen, W. 34:157
Chen, X. 48:87
Chen, X.H. 45:287
Chen, Y. 44:295
Chen, Z. 48:87
Cheng, G.J. 26:345, 31:301, 34:141
Cheng, K. 48:171
Cheng, N. 14:93, 14:121
Cherednikova, T.V. 38:401
Cherepanov, D.A. 24:113
Cherkashin, A.A. 48:141
Chernomordik, L.V. 6:37, 7:617, 9:133, 9:141, 9:149, 12:155
Cherny, V.V. 7:413, 21:373, 23:17, 23:27
Chi, Q.J. 29:237, 39:267
Chiabrera, A. 3:1, 4:73, 5:97, 8:387, 9:645, 16:561, 28:355, 30:13, 30:35, 35:33, 44:215
Chicharro, M. 45:33
Chien, S. 5:417
Chiericato, G. (Jr.) 38:315
Chilcott, T.C. 40:79
Chizhenkova, R.A. 30:287
Chizmadzhev, Yu.A. 1:301, 3:209, 4:30, 6:37, 6:53, 6:63, 6:71, 6:81, 6:89, 6:97, 7:83, 9:133, 9:141, 9:149, 12:155, 41:135
Chmelik, J. 9:7
Chou, J. 41:217
Chow, R.H. 38:251
Chramosta, O. 39:119
Christel, P. 8:515
Christian, G.D. 6:147
Christian, S.D. 5:635, 6:165
Chukova, Yu.P. 48:349
Churkina, T.S. 47:143
Ci, Y. 48:171, 48:217
Ci, Y.X. 43:293, 44:89, 45:247, 46:145
Ciampi, D.B. 17:523
Ciavarella, N. 14:175
Cieslar, G. 35:29
Cignitti, M. 2:163, 4:98, 7:699, 9:219, 16:449
Cingolani, A. 8:315, 10:185
Ciobotariu, A. 10:499
Ciszewski, A. 13:25
Cito, C. 30:275
Ciureanu, M. 44:65
Claret, J. 15:125, 29:1
Clark, I.J. 41:59
Clave, C. 17:269
Clavilier, J. 13:211
Cleary, S.F. 37:131, 39:167
Clément, M. 18:247
Cocek, A. 48:317
Cochet, J.M. 15:103
Cogalniceanu, G. 44:257
Coimbra, N.C. 38:315
Colacicco, G. 10:119, 12:259
Colom, K. 24:203
Colon, Y. 34:169
Colosimo, A. 15:79
Comporti, M. 18:187
Comtat, M. 19:413, 22:197, 27:475, 27:495
Cona, A. 38:67
Conde, C. 25:45
Conte, P. 19:49, 25:295
Conti, J.C. 12:3
Convert, M. 25:213
Cooper, J.M. 42:15
Copaescu, L.I. 48:441
Cordova, R. 36:67
Cornel, D. 7:377, 25:213, 26:223, 31:215
Corongiu, F.P. 18:179
Correia dos Santos, M.M. 39:55, 45:267, 48:61
Cortez-Maghelly, C. 32:305
Cortijo, M. 5:276
Cosma, P. 23:311
Cosnier, S. 31:147
Cosovic, B. 12:353
Cossarizza, A. 19:315
Costa, G. 1:29
Costato, M. 32:155, 41:27, 41:63
Coster, A.C.F. 40:79
Coster, H.G.L. 3:214, 4:298, 5:37, 27:373, 40:79
Cote, D. 38:333
Cote, L. 42:235
Cottara-Musino, M. 16:449
Cotton, T.M. 34:153, 41:217
Coulet, P.R. 5:548, 46:39
Courteix, A. 22:197
Cowan, J.A. 26:123
Crane, A.E. 3:84
Crawford, P.W. 15:305, 16:407
Cremaschi, D. 1:208, 3:92, 8:575, 16:509
Crichton, R. 18:105
Crimi, M. 16:301
Crippa, P.R. 8:555
Crumbliss, A.L. 48:79
Crundwell, F.K. 43:115
Csutak, O. 46:285
Cuenda, A. 38:117
Cuendet, P. 16:125
Cui, X. 48:469
Cui, X.L. 45:173
Culbert-Runquist, J.A. 1:427
Culley, P.L. 35:87
Cummings, T.E. 4:425, 4:447, 5:239, 16:371
Cummins, L.B. 12:193
Curci, S. 1:259
Curri, S.B. 14:57, 14:197, 14:207
Curtic, J.A. 1:408
Cusanovich, M.A. 1:448
Cuttitta, J.D. 21:63
Cvetkovska, M. 27:509
Cymbalyuk, E.S. 24:313
Czajka, R. 29:47
Czapski, G. 18:21
Czerniak, A. 8:141
Czochralska, B. 1:40, 3:41, 5:713, 9:287, 14:503, 25:371, 26:441, 33:171, 33:181, 39:241, 39:263
D'Alba, F. 11:435, 13:287, 15:485, 15:505, 17:243, 20:195, 38:185
D'Ambrosio, G. 14:99
D'Ascenzo, E. 8:201, 11:89
D'Inzeo, G. 47:199
D'Itri, E. 23:265
D'Souza, S.F. 27:153, 34:195
Dabbenisala, F. 17:147
Dada, G. 17:101
Dahlhoff, J.A. 2:177, 2:198
Dai, R. 33:115
Dal Conte, G. 14:39, 14:63, 14:225
Dal Monte, A. 14:145, 14:151
Dalchow, E. 22:57
Dall'Oglio, G. 14:131
Danfelter, M. 47:97
Dangelo, E. 17:153
Daniele, S. 17:339
Danilov, A.I. 44:57
Danon, A. 13:49
Darolles, J. 18:13
Darzynkiewicz, E. 33:181
Das, K. 5:741
Das, K.P. 27:179
Dasgupta, A. 13:401
Dasgupta, S. 7:587
Daskalov, I. 48:201
Dassen, H.H.A. 43:41
Dassen, J.H.A. 46:71
Date, M. 36:101
Daugelavicius, R. 19:235, 42:263
Dauphin, G. 33:83
Davey, C.L. 20:83, 25:195, 28:319, 28:425, 39:185, 46:91, 46:105
Davey, H.M. 28:319
David, E. 3:272
David, J.P. 28:127
Davidovic, A. 17:567, 26:457
Davidson, C. 38:289
Davidson, I.E. 8:459
Davies, E. 48:149
Davila, L.G. 16:361
Davis, C.C. 16:63, 43:1
Davis, D.G. 2:184
Daza, R. 11:417
De Baetselier, A. 17:111
De Carli, B. 13:385
De Ficquelmont-Loizos, M.M. 17:303
De Gier, J. 15:167, 27:1
De Giorgi, G. 14:175
De Graef, Ch. 39:209
De Grey, A.D.N.J 49:43
De Haen, C. 46:205
De Kok, J. 17:297
De Korosy, F.D. 9:391
De Kouchkovsky, F. 16:549
De Kouchkovsky, Y. 13:143, 24:215
De la Cerda, B. 42:249
De la Fuente, J. 34:13
De la Red, E. 44:51
De la Rosa, F.F. 10:413, 11:193, 18:71
De la Rosa, M.A. 11:193, 18:71, 22:355, 23:105, 28:205, 42:249
De Lacey, A.L. 38:179
De las Rivas, J. 38:9
De Lera, A.R. 44:37
De Ley, M. 46:45
De Loecker, W. 14:93
De Loof, A. 11:383
De Mele, M.F.L. 9:469, 10:239
De Mele, M.L.F. 16:213
De Meutter, J. 15:497, 17:277
De Miguel, M.P. 38:173
De Palma, V.A. 16:27
De Villardi, M. 12:517
De Wolf, F.A. 16:273
Deamer, D.W. 42:153
Dean, R.T. 18:283
Debari, V.A. 21:63
Deborin, G.A. 23:271
Debouck, C. 30:189
Debouzy, J.C. 33:95
Deby, C. 18:117
Decarroz, C. 18:155
Dechecchi, M.C. 8:315
Decroix, Y. 18:271
Defregger, M. 17:141
Degli Esposti, M. 16:301
Dejardin, P. 31:311
Dekker, K. 14:479
Delben, F. 12:443, 12:455
Della Noce, M. 43:77, 43:221
Della-Monica, M. 10:377, 12:499, 17:17, 23:301, 23:311, 38:25
Dellis, O. 48:135
Delmoral, A. 30:43
Delmotte, M. 3:474, 6:289, 7:209, 12:517
Delort, A.M. 33:83
Delplace, B. 17:111
Delport, P.H. 14:93
Delrieu, M.J. 16:549
Delteil, C. 47:129
Demisimoni, E. 5:420
Demmano, G. 31:271, 40:239
Demura, M. 14:439, 21:33, 26:167
Dencher, N.A. 5:713
Denes, F. 9:723, 14:425, 14:429
Deng, J. 48:101
Deng, J.Q. 39:303, 45:287, 46:193
Deni, J. 34:123
Denis, M. 7:757, 7:775
Dennis, A. 5:741
Depenoux, B. 7:539
Deppmeyer, V. 11:307
Der, A. 28:149, 38:53
Derosa, M. 9:591
Derrick, E.G. 15:243
Dertinger, H. 30:143, 43:51
Deruiter, B. 29:159
Desamero, R.Z.B. 48:101
Deseze, R. 30:151, 35:127
Deshmukh, B.K. 14:457
Desimoni, E. 5:25
Desjobert, H. 30:133
Deslouis, C. 2:351
Dessi, M.A. 18:179

Desta, A. 44:237
Dethier, A. 18:117
Detlavs, I. 35:13
Devasahayam, S.R. 27:115
Dewagter, C. 30:73
Deycard, S. 3:404
Dezutter, D. 30:73
Dhaneshwar, R.G. 27:153, 34:195
Di Biasio, A. 22:135
Di Carlo, A.L. 48:209
Di Lorenzo, S. 11:435, 13:287, 15:485, 15:505, 17:243, 20:195
Di Marino, M. 17:27
Di Paolo, M.L. 25:307
Di Pietro, R. 43:221
Dianlu, J. 48:243
Diao, P. 44:285, 45:173, 48:469
Diaz, A. 42:249
Didenko, L.P. 13:7
Dierickx, M. 30:65
Dimenza, C. 28:127
Dimitrov, D.S. 17:549, 19:217, 19:323, 20:155, 26:193, 32:99
Ding, H.B. 45:123
Ding, L. 43:173
Dinu, A. 40:171
Dinzeo, G. 29:289, 30:93, 30:275, 35:81, 35:121
Diociaiuti, M. 26:177, 34:45, 49:51
Disalvo, E.A. 6:185, 6:493, 7:787, 7:807, 11:145, 20:257
Dittrich, J. 24:231
Dixon, N.M. 21:245
Dlugopolsky, J. 31:99, 37:61, 39:299
Dobbelmann, J. 16:519
Dobiás, B. 4:231
Dobrikova, A. 38:111
Dode, C. 13:211, 29:149
Dogovic, N. 17:567, 26:457
Dohnalova, A. 41:181, 48:317
Doinov, P. 20:155
Dolgaya, E.V. 17:429
Doll, L. 24:129, 24:323, 28:85, 29:315
Dolowy, K. 4:166, 6:305
Doltchinkova, V. 32:77, 48:237
Domasch, K. 9:207
Dombrovska, L. 35:13
Domínguez, A. 24:203
Dominguez, M. 12:25, 16:317, 16:325
Donath, E. 6:543, 7:31, 7:41, 7:281, 16:455, 19:389, 22:255, 23:337, 26:383, 31:115
Donath, J. 13:71, 27:429
Doncheva, J. 26:339, 27:37
Donelli, G. 36:39
Dong, S.J. 19:337, 21:233, 24:23, 26:345, 26:351, 29:71, 29:237, 31:301, 34:141, 34:153, 37:125, 39:95, 39:267, 41:107, 42:7
Dong, X.D. 36:73, 42:63
Donnellan, M. 43:13
Donoso, G. 19:505
Doppierio, S. 36:77
Dorfler, H.D. 7:459, 10:279
Dornberger, K. 36:57
Doroshenko, P.A. 1:350, 3:319
Drain, C.M. 24:263
Drash, A.L. 6:19
Dreimanis, A.P. 25:437
Dreyer, G. 19:173
Drouin, H. 3:222
Drozdz, M. 39:21, 39:27
Drucker-Colin, R. 46:297
Drungiliene, A. 19:513
Drungiliene, A.A. 45:227
Druzhko, A.B. 44:37
Dryhurst, G. 1:49, 6:165, 7:433, 8:413, 9:39, 9:175, 9:273, 10:357, 11:51, 11:75, 13:343, 14:251, 15:257
Dryl, S. 3:543
Duarte, C.B. 38:297
Dubief, M.C. 13:229
Dubinin, A.G. 8:709, 22:403, 25:131, 47:143
Dubova, L.G. 46:185
Dubrovina, N.I. 12:155
Ducker, W. 38:191
Dukhin, A.S. 26:131
Dunlap, W.P. 14:45
Dupeyrat, M. 1:313, 5:134, 6:427, 9:583
Dupuis, M.L. 44:121
Durackova, Z. 44:31, 48:109
Durán, N. 17:523, 23:81
Durgaryan, S.S. 5:554, 5:561, 5:567
Durliat, H. 19:413, 22:197
Dutta, S.K. 27:179, 39:259
Dutton, P.L. 1:3
Dworsky, A. 38:35
Dyukova, T.V. 11:327
Dzekunov, S.M. 41:187
Easterly, C.E. 35:1
Easton, D.M. 5:142
Eberhardt, J. 30:313
Eberhardt, J.L. 30:293
Ebert, B. 12:217
Echegaray, E. 11:425
Eckert, H.J. 7:101
Eckert, R. 45:55
Eddowes, M.J. 7:527
Edmonds, D.T. 30:3
Edwards, G.S. 16:63
Efimov, O.N. 13:7
Ege-Serpkenci, D. 9:175, 10:357, 11:51
Egger, M. 23:337, 26:383, 31:115
Ehret, R. 46:215
Eichenberger, G.C.D. 38:315
Eichler, D. 42:227
Eisenbach, M. 10:499
Eisenberg, W. 3:15
Elder, P.A. 43:35
Elion, J. 47:57
Elion, M.J. 13:211
Elliott, M.S. 12:467
Elson, E.C. 25:383
Eltantawy, Y.A. 8:287
Elving, P.J. 1:147, 2:251, 3:37, 4:425, 4:447, 5:239, 5:388, 5:526, 5:625, 7:125, 8:523, 9:365, 11:299
Elvira, M. 42:207
Elzanowska, H. 19:425, 19:441
Emilia, G. 14:115, 19:315
Emneus, J. 38:401, 40:49
Emons, H. 10:279
Engstrom, P. 47:97
Engstrom, P.E. 46:241, 47:163
Enzan, H. 47:333
Epelboin, I. 2:351
Erben-Russ, M. 18:37
Erceg, M. 39:129, 43:181
Erecinska, M. 1:3, 13:235
Erman, J.E. 21:213
Ermishkin, L.N. 2:1
Ernst, R. 34:115
Erokhin, Y.E. 26:29
Escourrou, D. 7:333
Eto, T. 13:373
Etzold, G. 1:478
Eynard, N. 44:103, 47:119
Eyraud, C. 1:322, 13:229
Ezahr, I. 3:519
Ezzahir, A. 27:57
Fabiani, C. 8:371, 9:711, 9:733
Fahmi, T. 38:63
Fajgelj, A. 35:93
Fajkus, M. 46:1, 47:47
Fang, H.Q. 44:45
Fang, Y. 45:287
Farias, P.A.M. 40:41
Farkas, D.L. 13:191
Farndale, R.W. 14:83, 14:105
Farrell, J.M. 43:91
Farrera, J.A. 29:1
Farsang, G. 2:329
Fato, R. 28:177
Fauque, G. 6:385
Fauvelle, F. 33:95
Fedurco, M. 40:223
Feigelson, P. 1:67
Feinberg, B.A. 5:478, 7:187, 12:575, 25:415
Feinendegen, L.E. 30:111
Feiters, M.C. 29:47, 29:159
Feliu, J.M. 15:125
Feng, J. 43:293, 44:89, 45:247, 46:145, 48:171, 48:217
Fenikova, L. 44:31
Fenske, H. 8:33
Feola, J.M. 12:555
Fernandes, J. 45:33
Fernandez, I. 17:217
Fernandez, V.M. 28:473, 38:179, 47:179
Fernandez-Recio, J. 47:179
Feroci, G. 29:91
Ferradini, C. 18:59
Ferrando, A. 35:103
Ferrara, A. 36:9
Ferraretti, G. 14:235
Ferrari, S. 14:115
Ferraro, P. 14:39, 14:63
Ferri, T. 19:263, 44:177, 45:221
Ferroni, A. 1:208
Fesenko, E.E. 43:217, 46:267, 49:29, 49:37
Fiala, J. 41:53
Fiedler, U. 14:417, 16:135, 26:87, 38:423
Figaszewski, Z. 23:129
Figaszewski, Z.A. 46:199
Filipic, B. 25:183
Fillat, M.F. 38:57
Findl, E. 12:3
Fini, A. 29:91
Fischer, O. 13:25, 15:329, 22:299
Fischler, H. 10:499, 12:243
Fitzsimmons, R.J. 35:87
Fleet, B. 3:158
Fleminger, G. 45:27
Flemming, J. 1:459, 2:79, 2:287, 3:241, 4:464, 4:476, 5:335, 14:417
Fleury, M.B. 3:404, 7:333
Fojta, M. 34:69, 40:41
Fologea, D. 42:179, 44:257, 46:285
Fomekong, R.D. 47:81
Fong, F.K. 17:325, 23:301
Fontaine, M. 4:242
Fontanesi, G. 14:145, 14:151
Fonteiner, G. 2:106
Fontes, E. 47:11
Forget, P. 12:509
Forman, A. 19:477
Forster, W. 11:181, 12:119
Fortier, G. 22:159
Fortunato, C. 23:361
Foverskov, C.E. 44:57
Fowler, M. 41:191
Foye, W.O. 36:171
Frackowiak, D. 19:371
Frajese, G. 7:55
Franceschi, C. 19:315, 43:77, 43:221
Franek, M. 47:47
Frangopol, P.T. 46:1
Frank, H.A. 48:101
Frasch, S.F. 5:177
Frederiksen, J. 32:125
Freiha, B.A. 12:225, 14:457
Freinberg, B.A. 1:73
French, P.W. 43:13
Freschard, R. 2:106
Fresneau, C. 38:169, 46:55
Freund, F. 9:61
Freyssinet, J.M. 38:105
Friedrich, U. 47:103
Fromwald, S. 38:35
Frumkin, A.N. 1:506
Fryburg, F.M. 8:703
Fu, S. 48:171
Fucic, A. 30:319
Fuhr, G. 22:1, 47:103, 47:301
Fuhrmann, C. 27:347
Fujii, S. 16:193
Fujii, T. 31:77, 38:149
Fujinaga, T. 8:275
Fukuyama, S. 33:159
Fuller, B.E. 37:109
Funasaki, N. 46:175
Funk, M.O. 18:127
Furia, G. 14:39
Gabriel, B. 47:113
Gaburjakova, J. 42:123
Gaburjakova, M. 42:123
Gadelle, A. 33:95
Gaigalas, A. 21:319
Galal, A. 38:229
Galkin, V.L. 24:143
Galla, H. 42:213, 45:17
Gallesi, D. 42:169
Galli, A. 30:93
Gallinet, J.P. 25:45
Gallo, B. 20:125
Galt, S. 36:1
Galutzov, B. 44:77, 44:103
Galvan, F. 10:413
Galvanovskis, J. 46:161
Galvanovsky, Y.Y. 25:437
Gamaley, I. 38:415
Gambacorta, A. 9:591
Gamble, T.R. 28:235
Gandhari, A. 47:297
Ganeva, V. 44:77, 44:103
Gang, C. 47:349
Gannushkina, I.V. 22:403
Gao, C.M. 44:89
Gao, R.M. 45:41, 45:123
Gao, X.R. 45:41
Gao, X.X. 39:125, 40:257
Gapeyev, A.B. 43:217, 46:267
Garaj-Vrhovac, V. 30:319
Garcia, A.C. 38:389
Garcia, M.B.G. 38:389

GARCIA-BLANCO, F. 12:25, 16:317, 16:325
GARG, D.K. 39:249, 43:105
GARGOUIL, Y.M. 1:200
GASCOYNE, P.R.C. 36:115
GASIC, M.J. 17:567, 26:457
GASKOVA, D. 39:195
GASPARINI, R. 25:307
GASSA, L.M. 42:187, 47:343
GAVACH, C. 1:329, 7:353, 7:539, 11:37
GAYNOR, P.T. 43:35
GEBHARD, M.M. 45:151
GEBHARDT, U. 5:607
GEIBEL, J. 11:365, 17:419
GEIKEN, B. 38:67
GELLER, M. 6:263
GELLI, M. 14:235
GENSLER, W. 5:152, 8:645
GEORGE, E.P. 4:298, 6:461, 9:117
GEORGIEV, O. 26:339
GEORGIEWA, R. 22:255
GEPPERT, G. 17:399
GÉRARD, D. 18:247
GERBER, J.N. 1:162
GERGELY, C. 28:149
GERMAN, C. 19:29
GERRITSEN, J.W. 29:47
GERSING, E. 45:145, 45:151
GERVASI, C.A. 47:343
GESSER, B. 28:269
GEYSEN, J. 11:383
GHANDOUR, M.A. 26:485, 38:91
GHEORGHIU, E. 38:123, 40:133, 40:167, 40:181, 40:187, 45:139
GHOSH, P.M. 33:121
GIACOMELLO, P. 2:314
GIAEVER, I. 33:121
GIAN, T.X. 11:173
GIANCECCHI, F. 14:145, 14:151
GIANNETTI, G. 9:645
GIARDI, M.T. 38:67
GIERSCH, C. 12:63
GIFFORD, P.K. 10:87, 10:109
GIFT, E.A. 39:39
GIL, M.H. 22:379, 28:105
GILBERT, R. 36:83, 38:203
GILBERT, R.J. 48:389
GILEADI, E. 9:229
GILLI, G. 36:9
GILLSTEDT-HEDMAN, B. 26:335
GILMAN, N.W. 16:407
GIMSA, J. 19:389, 22:255, 29:81, 38:99
GIORDANI, M. 30:13
GIOVANNINI, F. 42:169
GIRARD-EGROT, A.P. 46:39
GIRARDOT, J.J. 25:45
GIRAUDEAU, A. 3:519
GIRAULT, H.H. 28:459
GLASER, R. 1:343, 6:227, 7:281, 13:71, 15:67, 19:389, 22:255, 27:255, 27:429, 30:103, 41:97, 46:301, 47:311
GLASER, R.W. 16:455
GLASSER, H. 47:301
GLATZ, Z. 21:83
GLEZER, V. 32:1
GLEZERS, V. 4:464
GLIDLE, A. 42:15
GLIOZZI, A. 9:591
GLUCK, B. 41:161, 47:89
GODINHO, O.E.S. 29:135
GODLEWSKI, M. 27:57
GOETZE, D.C. 22:391
GOLDEN, T. 23:217
GOLDSHMIDT, D. 39:209
GOLDSTEIN, A.H. 8:645
GOLDSTEIN, S. 18:21, 44:65
GOLLMICK, F.A. 5:335, 7:503
GOLOB, A. 25:183
GOLOUH, R. 30:209
GOLTSEV, V.N. 13:117
GOLTSOV, A.N. 48:311
GOLTZEV, V. 13:453, 17:35
GOLUB, D. 17:175
GOLZIO, M. 47:129
GOMATHI, H. 33:101
GOMEZ, H. 36:67
GOMEZ-MORENO, C. 38:21, 38:57, 38:179, 47:179
GONCALVES, M.L.S. 39:55, 45:267, 45:293
GONCALVES, M.L.S.S. 48:61
GONI, F.M. 38:111
GONON, F. 38:247
GONZALEZ-CORTES, A. 41:101
GONZALEZ-ROMERO, E. 26:287
GOODMAN, E.M. 32:125, 43:7
GOODMAN, R. 15:39, 19:569, 21:307, 25:335, 28:301, 28:311, 29:185, 31:27, 31:39, 31:167, 33:19, 33:109, 33:115, 36:33, 39:215, 42:235, 44:111
GOORMAGHTIGH, E. 9:489, 12:147, 15:497, 17:277
GOOSSENS, J. 45:17
GÓRAL, J. 25:371
GORCZYNSKA, E. 27:373
GORNER, M. 8:115
GORTON, L. 16:479, 38:401, 40:49, 47:39, 49:21
GOUPIL, D.W. 16:27
GOUREAU, Y. 8:515
GOVORUNOVA, E. 38:53
GOYAL, R.N. 7:433, 8:413, 9:39, 9:273, 24:355, 33:75, 39:249, 43:105, 43:205, 44:201, 45:47
GRABER, P. 7:167, 42:241
GRAFE, U. 36:57, 39:295, 44:155, 46:151
GRAGNANI, G.L. 30:27, 30:55, 35:103, 35:109
GRAMBAL, F. 15:95
GRANDI, G. 8:223
GRANDOLFO, M. 30:239
GRANDORI, F. 47:213
GRANITO, C. 36:165, 38:397
GRANT, D.H. 45:33
GRATTAROLA, M. 5:97, 8:387, 9:645, 16:561, 38:255
GRATZEL, M. 16:125, 26:307
GRCHEV, T. 27:509
GREBE, R. 42:221
GREENBAUM, E. 21:171
GREENEBAUM, B. 32:125, 43:7
GREGER, R. 17:419
GRIFFITH, A. 42:15
GRIFFITHS, C.L. 12:3
GRIGNON, C. 7:377
GRIGORIEV, P.A. 34:19, 36:57, 39:295, 44:155, 46:151
GRIGOROVA, R. 11:181
GRIMM, V. 17:35
GRINFELDT, A.E. 19:127
GRINIUS, L. 19:235
GROBEL, C. 19:173
GROBNER, U. 38:423, 39:181
GROMOVAYA, V.F. 44:289
GROSPIETSCH, T. 37:17
GROSS, M. 1:73, 3:519
GROSSE, H.H. 20:279
GROSSMAN, Y. 42:133
GRUBER, W. 27:23
GRUBMAYR, K. 29:1
GRUDA, I. 19:371
GRUNDLER, W. 27:361
GRUNFELD, S. 46:33
GRUNIGER, H. 12:375
GRUSZECKI, W.I. 29:357
GSTREIN, E. 11:365
GU, D. 48:469
GU, D.P. 44:285, 45:173
GU, L.Q. 39:275
GUADALUPE, A.R. 34:169
GUBINA, M. 30:173
GUDAVICIUS, A.V. 15:407
GUELFI, M. 35:121
GUERRERO, M.G. 23:105
GUERRINI, P. 8:387
GUGESHASHVILI, M.I. 1:506, 9:551, 10:485, 10:493, 26:139, 29:305, 38:333
GUHA, S.K. 48:423, 48:431, 48:435
GUIET-BARA, A. 11:389, 13:39, 15:383, 15:427, 15:431, 24:361, 39:203, 45:131, 48:407
GUILLOSSON, J.J. 30:133, 44:279
GÜNDEL, J. 21:279
GUNTHER, H. 25:425
GUO, B. 40:35
GUO, X.H. 46:59
GUO, Y.Z. 37:125
GUTIERREZ-MERINO, C. 38:117
GUTZ, I. 42:175
GUVENCH, M.G. 26:211
GUVENCH, S. 26:211
GUYOT, J. 33:83
GYEPESSOVA, M. 31:99, 39:299
HAACK, R.A. 37:55
HAAK, N.P. 16:167
HAEHNEL, W. 6:563
HAFFEGEE, J. 41:81
HAGEDORN, R. 22:1
HAGENDOORN, M.J.M. 16:167
HAGGETT, B.G.D. 37:77
HAGGREN, W. 45:103
HAHN, B.S. 3:41
HAHNEISER, O. 37:51
HAIK, Y. 47:297
HALADJIAN, J. 6:385, 6:555, 8:239, 9:91, 11:319, 12:509, 15:57
HALANGK, W. 38:377
HALSALL, H.B. 5:196
HALSTENBERG, S. 42:123
HAMA-INABA, H. 21:355
HAMBRIGHT, P. 10:69
HAMET, C. 4:242
HAMNERIUS, Y. 36:1
HAMPEL, C. 42:241
HAN, L. 44:111
HANAK, L. 46:7
HANDSCHACK, W. 19:173
HANKE, W. 12:329, 12:341
HANSCHMANN, H. 8:71
HARA, M. 26:117, 34:135, 41:127, 43:71
HARAM, N.S. 28:213, 40:59, 43:197
HARAUX, F. 13:143, 16:111, 24:215
HARRIS, C. 16:45
HARRIS, C.M. 11:15, 15:183
HARRISON, G.H. 43:1
HARRISON, G.I. 20:57, 28:235
HASEBE, K. 36:157
HASEK, J. 48:261
HASSAN, R.M. 24:155
HAUN, M. 23:81
HAUTON, J.C. 19:67
HAUZEUR, J.P. 30:229
HAVLIS, J. 43:157
HAWKRIDGE, F.M. 5:686, 7:447
HAYAKAWA, Y. 20:169
HAYASHI, K. 7:291
HE, B. 47:231
HECKMANN, K. 4:231
HEENEN, M. 39:209
HEIDEGGER, W. 39:109
HEIDUSCHKA, P. 24:231
HEINEMAN, W.R. 1:389, 5:196, 6:577, 8:63
HEINEMANN, U. 23:285
HEINRICH, R. 46:79
HELEG-SHABTAI, V. 42:95
HELLEMANS, G. 46:45
HELLER, R. 4:185, 7:377, 36:83, 38:203
HELMAN, R. 22:187
HENAO, F. 38:117
HENDERSON, A. 28:311, 31:39, 33:115
HENDERSON, A.S. 15:39, 28:301, 31:167, 33:19
HÉNIN, S. 1:208, 3·92, 8:575
HENRY, F. 1:329
HERBAI, E. 38:137
HERMANN, S. 33:165
HERMETTER, A. 34:61
HERNANDEZ, L. 27:73
HERTL, W. 14:357, 14:367, 17:89
HERVÁS, M. 10:413, 11:193, 23:105, 28:205, 42:249
HERZYK, E. 11:353, 12:367, 15:7, 17:223, 17:231
HESELMAN, I. 27:347
HESS, B. 20:203
HETSCHER, M. 27:305, 37:1, 37:5, 37:25, 37:51
HETZ, S.K. 33:165
HEYER, C.B. 3:169
HEYROVSKY, M. 41:209, 48:43
HIANIK, T. 26:493, 31:99, 33:11, 34:61, 37:61, 39:235, 39:299, 41:221, 42:35, 42:123, 45:233, 46:1, 47:47
HIGASHI, T. 36:101
HIGGINS, J. 6:509
HILDEBRAND, E. 3:543
HILDENBRAND, K. 18:147
HILL, H.A.O. 7:527
HILL, N. 21:333
HIMMLER, G. 17:253
HINES, R.M. 8:309
HINMAN, A.S. 13:267
HINSENKAMP, M. 30:65, 30:189, 30:229, 39:209
HINSON, W.G. 34:39, 39:175
HINTSCHE, R. 19:581
HIRATA, Y. 34:135
HIRATSUKA, A. 36:157
HIRAYAMA, K. 28:191
HITCHENS, G.D. 21:133
HO, M.W. 41:81
HOCHHEIMER, H.J. 6:563
HOFFKEN, K. 41:227
HOFFMAN, R.M. 42:283
HOFFMANN, F. 34:115
HOFFMANN, M.E. 17:523
HOFFMANNTSAY, S.S. 34:115
HOFMANN, G.A. 38:209, 42:283, 48:453
HOFMANOVA, A. 7:61
HOLMQVIST, D. 36:1

Holwitt, E.A. 47:253
Holzel, R. 27:413, 37:17
Holzer, K.P. 10:199, 11:3
Homblé, F. 17:131, 17:165
Homma, T. 21:343, 32:133, 33:67
Hommel, H. 17:441
Homolka, D. 7:61
Hones, I. 44:275, 47:175
Honeychurch, M.J. 41:115, 44:13
Hong, F. 5:425
Hong, F.H. 33:151, 37:91
Hong, F.T. 33:135, 33:143, 33:151, 37:91, 37:109, 45:193
Horakova, D. 47:319
Horii, H. 32:277, 38:85
Horikiri, S. 49:65
Horn, G. 2:287, 4:464, 5:335, 8:167, 8:537, 11:173, 14:417, 16:135, 27:221
Hosaka, H. 47:231
Hoshi, S. 39:309, 41:167
Hoskin, G.P. 5:168
Hosokawa, T. 40:29
Hosseini, M.M.Q. 8:269
Hotchandani, S. 19:371, 48:53
Hotting, E.J. 16:55
House, D.E. 39:77
Howard, R. 5:741
Hsieh, S.T. 14:45
Hsu, B.D. 25:31
Hu, N. 48:117, 49:1
Hua, N.L. 36:161
Huang, C.H. 46:145
Huang, H. 48:87
Huang, H.Q. 44:301
Huang, J.W. 44:301
Huang, Y. 44:151
Huart, P. 12:147
Hubbard, A.T. 5:504
Hubert, M. 19:541
Huck, H. 13:199, 21:99
Hui, S.S. 36:161
Huirne, J.A.F. 47:273
Hulser, D.F. 45:55
Hung, L.Q. 7:61
Hung, M.A. 8:621
Hung, S.P.N. 16:549
Hurych, J. 48:317
Hutchins, L.D. 12:193
Huller, E. 25:285
Hyuga, H. 32:15
Iafusco, D. 43:221
Ibi, K. 39:83
Ibrahim, B. 39:203, 45:131, 48:407
Ibrahim, M. 11:449
Ibrahim, M.S. 24:165, 25:137, 34:77, 36:149, 38:359
Ide, Y. 26:297, 27:207, 27:501, 29:103, 29:113
Iglesias, F.J. 24:203
Iglic, A. 43:97
Ihn, G.-S. 21:223
Ihn, W. 8:537
Iizuka, T. 26:413, 41:201
Ikariyama, Y. 20:169
Ikeda, T. 3:253, 8:151, 9:253, 13:233, 23:227, 24:193, 24:365, 46:249
Ikehata, M. 36:95
Ikematsu, M. 34:149, 36:61, 38:343
Iliev, I.G. 26:107
Ilieva, A. 27:41
Imai, H. 5:650, 14:389
Inamul-Haq 25:155
Indovina, P.L. 36:39
Innocent, C. 31:147
Innocenti, M. 14:169
Intra, E. 13:103
Inzoli, L. 14:131
Irimajiri, A. 47:325, 47:333
Irmer, U. 45:55
Isacchi, G. 26:177
Isaeva, G.S. 2:26
Iseki, M. 13:373, 34:149, 36:61, 38:343
Ishida-Jones, T. 44:127, 45:103
Ismail, S.A. 12:535, 14:405
Ismailov, A.D. 4:155
Isogai, Y. 26:413
Issaurat, B. 7:353, 11:37
Iswantini, D. 46:249
Itabashi, T. 22:411
Ito, S. 9:313, 36:47
Ivanov, A.G. 26:79, 27:27, 27:41
Ivanov, S. 35:53
Ivanov, S.A. 45:233, 47:47
Ivanov, S.P. 35:49
Ivaschuk, O. 45:103
Ivaska, A. 8:459
Ivic, Z. 41:43, 41:93, 48:297
Ivnitski, D. 45:27
Iwamoto, R.T. 11:359
Iyer, R.N. 27:393
Izquierdo, R. 12:25, 16:325
Jacchia, G.E. 14:169
Jackowska, K. 17:409
Jackson, S.K. 18:301
Jacob, H.E. 7:513, 11:181, 12:119, 16:135, 22:57
Jaegfeldt, H. 8:355
Jaeschke, M. 27:269
Jaguzhinsky, L.S. 4:225
Jahn, T.L. 1:217
Jain, N. 43:105
Jain, S.M. 13:329
James, E.W. 20:21, 21:245
Janácek, K. 7:371, 9:509
Janas, T. 19:277, 19:283, 19:405, 45:215
Janchen, M. 1:478, 11:307
Janderova, B. 39:195
Jandova, A. 41:181, 48:317
Janik, B. 3:622
Jannakoudakis, D. 14:469
Janot, J.M. 27:449
Janshoff, A. 42:213, 45:17
Janssen, A.P.M. 33:55
Janssen, L.H.M. 27:161
Janssen, L.J.J. 33:55
Jarm, T. 43:253, 43:279
Jaroszeski, M. 36:83
Jasaitis, J. 10:427
Jasaitis, J.J. 12:297, 16:205
Jaschke, M. 38:191
Jaskolski, F. 35:29
Jayaram, S. 43:135
Jeannin, C. 28:127
Jelen, F. 4:369, 7:317, 8:487, 8:497, 8:621, 12:135, 23:285
Jelinek, F. 41:35, 45:239, 48:261
Jeltsch, E. 6:349
Jeminet, G. 33:83
Jenard, A. 17:131
Jenin, P. 1:322
Jensen, M.A. 4:425, 4:447, 5:239, 5:388, 5:526, 5:625, 11:299
Jercinovic, A. 30:221, 39:209
Jerman, I. 48:481
Jeuken, L. 42:25
Jiang, D. 48:469
Jiang, D.L. 44:285, 45:173
Jiang, L. 42:15
Jiang, M. 48:477
Jiang, Z. 48:447
Jiang, Z.W. 43:293
Jiang, Z.Y. 38:383
Jimbo, Y. 29:193
Jimenez, R.M. 19:533, 32:57
Jin, M. 39:215, 44:111
Jin, W. 39:221, 47:75
Jing, T.X. 47:237
Johann, S. 30:127
Johannesson, T. 36:1
Johansson, G. 16:479
Johnson, J.F. 5:215
Jokela, K. 36:15
Jonas, T. 45:215
Jonczyk, A. 42:241
Jones, A. 40:99
Jones, R.A. 45:103
Jordan, C.A. 12:177
Jordan, J. 1:73, 3:519
Jore, D. 18:59
Jossinet, J. 40:147, 45:161
Jouenne, T. 21:161, 22:331
Jouve, H. 19:541
Jung, D.T. 47:259
Jungbauer, A. 17:253
Junter, G.-A. 9:679, 9:699, 12:81, 12:93, 17:43, 21:161, 22:331
Junxin, L. 48:243
Juraskova, V. 39:119
Jurcicz-Lobec, B. 35:115
Jursa, J. 12:137
Juutilainen, J. 48:193
Jyothi, G. 24:297, 26:395, 37:161
Kaatze, U. 42:123
Kaba, M.L. 13:225
Kaden, H. 33:165
Kadish, K.M. 1:73, 3:480, 5:741, 8:213
Kadoshnikov, S.I. 9:79
Kadysh, V. 4:508
Kahle, V. 15:317
Kaiser, F. 41:3
Kakiuchi, T. 34:93, 36:53
Kakorin, S. 48:3
Kakutani, T. 2:61, 8:151, 25:71, 25:81, 28:221, 29:327, 31:85, 31:131
Kalandadze, I.I. 4:30, 4:45
Kaler, K.V.I.S. 38:321
Kalous, V. 9:7
Kamal, M.M. 8:671, 11:449, 11:457, 12:205, 12:475, 16:485, 16:497, 24:165, 24:179, 25:137, 25:145, 26:359, 34:77, 38:359
Kamat, P.V. 48:53
Kamaya, H. 17:193, 19:291, 19:301
Kamiya, N. 21:25
Kamo, N. 6:477, 8:405, 9:325, 14:439, 21:33, 46:289
Kanazirska, M.P. 15:395
Kandelaki, M.D. 4:68, 11:167
Kano, K. 8:151, 9:253, 23:227, 24:193, 46:249
Kantcheva, M.R. 12:173, 13:117, 17:35
Kantere, V.M. 2:26
Kaouadji, M.N. 18:59
Kapor, D. 41:43, 41:93
Kappus, H. 18:263
Karabakhtsian, R. 33:19
Karabinas, P. 14:469
Karacan, N. 48:53
Karamushka, V.I. 26:131
Karatani, H. 46:227
Karatsu, Y. 41:201
Karawajew, L. 8:33
Karba, R. 30:173, 43:265, 43:271
Karg, V. 8:691
Karpinski, Z.J. 21:261
Karsten, U. 19:173
Karvaly, B. 2:124, 2:339, 3:545
Karyakin, A.A. 12:267, 24:257, 32:35
Karyakina, E.E. 32:35
Kasai, M. 21:355
Kashiwagi, N. 21:95
Katenkamp, U. 17:81, 22:57, 25:285
Katinger, H. 17:253
Kato, K. 46:249
Katsura, T. 28:489
Katz, E. 29:29, 42:95, 44:209
Katz, E.Yu. 23:239, 26:29
Kauffmann, J.-M. 12:413, 23:167, 28:117, 34:123, 38:91, 41:101
Kaufman, J.J. 30:161, 35:63, 44:215
Kavanaugh, W.P. 9:427, 9:439
Kawaki, H. 1:136
Kawana, A. 29:193
Kawasaki, M. 36:157
Kawata, Y. 39:89
Kawczynski, W. 26:441, 33:171, 39:241, 39:263
Kawde, R.B. 34:83, 38:405
Kayali, A. 6:337
Kayser, D. 4:171, 5:252, 5:264
Kazakova, A.A. 21:367, 22:75
Kazarian, K.V. 17:559, 22:175
Kazlauskaite, J. 28:159, 39:139
Kazlauskaite, J.D. 26:475
Ke, B. 2:93
Keates, J.S. 1:244
Keese, C.R. 33:121
Keiderling, T.A. 41:77
Kell, D. 11:15, 11:405, 15:183, 16:45, 20:21, 20:83, 21:245, 24:83, 25:195, 25:395, 26:423, 27:235, 28:319, 28:425, 29:205, 39:185, 40:99, 46:91, 46:105, 48:149
Kell, D.B. 48:389
Keller, E.E.O. 7:363
Keller, R.W. 7:469, 9:357
Kelly, D.P. 45:293
Kelly, S. 8:213
Kemp, R.B. 20:83
Kerns, G. 22:57, 32:89
Kerr, M.W. 1:408
Kertscher, H.-P. 12:217
Keszthelyi, C.P. 8:247
Keszthelyi, L. 15:437, 20:269, 28:149, 38:53
Khalil, W. 7:61
Khanova, L.A. 6:155, 7:309
Kharkats, Yu.I. 22:91
Kharybin, A.N. 40:49
Khin, N.A. 35:87
Khodari, M. 23:167, 26:485
Khodorov, B.I. 1:301
Kholodnyi, V.A. 47:283

KHORKOVA, O. 31:27, 31:167, 33:109, 33:115
KICK, P. 15:497, 17:277
KIECHLE, F. 21:333
KIEL, J.L. 47:253
KIJLSTRA, J. 37:149
KIM, I.T. 21:223
KIM, M.H. 6:165
KIM, O.S. 33:61
KIMURA, K. 6:477
KIMURA, S. 8:405
KINJO, J.E. 33:171
KINOSHITA, H. 3:253, 24:365
KINOSITA, K. 32:15
KIRLUM, H.J. 45:151
KIRSCHSTEIN, S. 48:415
KIRSNER, V. 5:43
KIRSTEIN, D. 11:155
KIS, P. 8:691
KISELEV, B.A. 7:247, 8:251, 21:367, 22:75
KISER, P.F. 25:415
KITANI, A. 8:257, 36:47
KITTLER, L. 5:335, 7:503, 41:213
KLAHRE, P. 1:487, 2:204, 2:245
KLAVINSH, I. 35:13
KLAVINSH, I.E. 25:437
KLEIN, J. 38:9
KLEINWÄCHTER, V. 21:199
KLIMOV, V.V. 48:53
KLUGE, W. 37:31
KLUKANOVÁ, H. 12:279, 12:431, 13:407, 15:317
KNIGHT, V.A. 6:135, 6:323
KNOLL, W. 42:241
KNOTKOVA, A. 7:371
KOANA, T. 36:95
KOBATAKE, Y. 6:477, 8:405, 9:325, 14:439, 21:33
KOBAYAKAWA, K. 27:199
KOBAYASHI, F. 26:413
KOBAYASHI, K. 39:83
KOBILKOVA, J. 41:181
KOBOS, R.K. 4:87
KOHLSMANN, S. 27:305, 37:1, 37:5, 37:25, 37:51
KOIDE, T. 18:307
KOIVISTOINEN, A. 36:15
KOJIMA, H. 39:89
KOJIMA, J. 22:23
KOKKINIDIS, G. 12:485, 14:375
KOLÁR, V. 23:285
KOLDAYEV, V.M. 43:161
KOLODYAZHNY, M.V. 4:335, 4:346, 9:167
KOLPAKOV, A.F. 22:45
KOMURA, T. 26:167
KONAKA, T. 46:227
KONDO, M. 18:295
KONDO, T. 34:93, 36:53
KONG, J. 48:101
KONG, J.L. 46:193
KONING, J. 5:77
KONISHI, T. 31:77
KONTTURI, A.K. 38:367
KONTTURI, K. 38:367
KOOPAL, C.G.J. 29:47, 29:159, 33:45
KOPPENOL, W.H. 18:3
KOREN, Z. 30:333
KORENSTEIN, R. 10:499, 12:243, 13:49, 13:191, 16:45, 42:275
KORYTA, J. 1:418, 7:61
KOSEVICH, A.M. 24:143
KOSOWSKI, H. 26:97, 38:377
KOSTYUK, P.G. 1:350, 3:319, 7:421, 42:197
KOTNIK, T. 43:285, 45:3
KOTOWSKI, J. 19:277, 19:283, 19:405, 22:69
KOUDELKA, J. 7:793
KOVACHEV, K. 27:41
KOVACIC, P. 15:305, 16:407, 21:269, 25:415, 28:443, 36:171, 39:155
KOVACS, E. 38:427, 40:171, 46:237, 47:167
KOVALENKO, P.G. 43:165
KOVÁR, J. 9:333, 9:345, 12:279, 12:431, 13:407, 15:317, 15:329, 22:299, 25:109
KOVARÍKOVÁ, E. 4:389
KOYAMA, K. 46:289
KOYANAGI, N. 40:141
KOZARAC, Z. 12:353
KOZLOV, A.V. 42:169
KOZLOV, YU.N. 7:247, 21:367
KOZLOWSKI, J. 28:43
KRAAYENHOF, R. 16:55, 16:167, 16:273
KRAB, K. 16:55, 16:167, 16:273
KRAEPELIN, G. 27:281
KRAMER, K.-D. 27:305, 37:1, 37:5, 37:11, 37:17, 37:25, 37:31, 37:51
KRAMMER, B. 39:109
KRAMMER, B.E. 40:67
KRAMMER-REUBEL, B. 27:19, 27:23
KRANCK, H. 16:427, 21:87
KRASNA, A. 35:115
KRASSOWSKI, K. 8:141, 9:419, 17:71
KRAUS, M. 46:215
KRAUS, W. 14:161, 27:321, 30:127
KRAUSE, D. 43:91, 44:237
KREISHMAN, G.P. 5:196, 7:659, 8:309
KRISCHER, C.C. 3:614
KRISCIUKAITIS, A. 45:55
KRISHNAMOORTHY, G. 24:297, 26:395
KRISHTAL, O.A. 1:350, 3:319, 7:195, 7:421
KRISHTALIK, L.I. 23:249, 24:113, 24:335, 48:397
KRIVANEK, R. 42:123
KRIŽ, N. 3:582, 7:363
KROHS, U. 23:141
KROL, M. 27:57
KROLL, CH. 48:233
KRULL, U.J. 13:255, 15:371
KRUPPER, M.A. 13:15
KRYSINSKI, P. 5:247, 10:261, 12:367, 16:185, 17:409, 19:227, 23:93, 23:129, 44:163
KRYZANOWSKI, M. 30:209
KRZNARIC, D. 3:418
KSENZHEK, O.S. 4:335, 4:346, 5:661, 6:405, 9:167, 11:105
KUBO, A. 49:57
KUBOTA, L.T. 47:39
KUBOTA, T. 23:227, 24:193
KUENNEN, R.W. 7:659
KÜHN, M. 6:117, 11:307
KUIK, M. 8:141, 9:419, 17:71
KULA, B. 39:21, 39:27, 39:31
KULAKOVSKAYA, S.I. 13:7
KULKARNI, A.V. 27:153, 34:195
KULKARNI, B.B. 27:141
KULLER, A.E. 26:211
KULLNICK, U. 27:293, 37:39, 37:47
KULYS, J. 7:11, 10:427, 24:305, 26:277, 28:159, 45:227
KULYS, J.J. 8:81, 8:103, 10:385, 11:61, 12:297, 12:583, 13:163, 15:407, 16:205, 19:513, 22:9, 26:475
KUMAR, A. 13:329
KUMAR, N. 43:205, 45:47
KUMAR, R. 10:289, 10:441
KUMAR, S.D. 27:153, 34:195
KUNJILWAR, K.K. 47:247
KUPKA, K.D. 3:509, 5:223
KUREISHI, Y. 48:95
KURISCHKO, A. 15:513
KURTZ, R.J. 12:3
KUSANO, S. 42:59
KUSU, F. 8:229, 9:499, 31:65, 33:159
KUSUDA, K. 33:61
KUTNER, W. 5:215
KUTNIK, J. 16:435
KUWABATA, S. 24:241
KUWANA, T. 1:389, 3:596
KUZMANOVA, M. 35:53
KUZMANOVA, M.A. 35:49
KUZMIN, P.I. 26:193, 26:383
KUZNETSOV, A.M. 21:289
KUZNETSOV, B.A. 2:35, 4:1, 4:512, 8:681, 14:347, 40:249
KUZNETSOVA, E.V. 32:267
KWEE, S. 1:87, 2:231, 3:264, 6:441, 7:693, 11:467, 16:99, 18:79, 23:65, 25:325, 28:269, 36:109, 40:193, 44:251, 48:177
KWIECINSKA, T. 27:57
KYAGOVA, A.A. 31:193
LA-SCALEA, M.A. 42:175
LABUDA, J. 44:31
LACAVA, T. 8:413
LACOUR, F. 25:241
LACROTTE, R. 26:223
LADANYI, E. 13:365, 15:89, 20:287
LADÁNYI, L. 2:329
LADBROOK, P. 6:105
LAFFERTY, J.F. 5:459
LAFONT, H. 19:67
LAFONT, R. 19:541
LAHAJNAR, G. 48:481
LAHITTE, A. 35:127
LAL, R. 27:121
LAMBERTZ, M. 37:31
LAMBRABTE, A. 27:449
LAMBROZO, J. 30:195
LAMPRECHT, I. 27:281, 27:413, 37:17
LAMSWEERDE-GALLEZ, D. 5:401, 5:780
LAMY, M. 18:117
LANDERS, D.F. 46:1
LANDRUM, H.L. 5:686
LANE, R.F. 5:504
LANG, A.D. 46:145
LANG, F. 11:365, 17:141, 17:419
LANG, S.B. 41:191
LANGEL, U. 42:123
LANGER, J.J. 8:7
LANGER, R. 48:181, 49:11
LANGHORST, P. 37:31
LANYI, J.K. 46:289
LAP, V. 17:35, 17:81
LAPES, M. 48:305
LAPIDOT, N. 29:29
LASOVSKY, J. 8:621, 15:95
LATRUFFE, N. 29:363
LAU, Y.K. 7:187
LAUDE, B. 29:363
LAVANDIER, B. 45:161
LAWRENCE, G.D. 22:187
LAXMESHWAR, N.B. 34:83
LAZAROVA, T. 22:105
LAZAROVA, T.R. 28:451, 37:69
LE BLANC, L. 19:371
LE BLANC, R.M. 19:371, 29:305, 38:333
LECHÊNE DE LA PORTE, P. 19:67
LECHNER, F. 14:135, 14:161
LECOMPTE, M.F. 6:537, 13:211, 20:99, 24:13, 29:149, 38:105, 47:57
LEDERER, T. 30:127
LEDUC, P. 1:96, 3:491
LEE, C.H. 45:261
LEE, R.C. 34:157
LEGORBURU, M.J. 32:57
LEHMANN, M. 46:215
LEHMANN, M.H. 41:227, 47:3
LEKKALA, J.O. 42:25
LEMELAND, J.F. 9:679, 9:699
LEMIEUX, S. 22:391
LEMKE, K. 8:115, 26:43
LEMOINE, D. 21:161
LENAZ, G. 16:301, 28:177
LENOIR, J. 1:322
LEO-MESSINA, J. 36:83
LE PORT, L. 12:167, 18:13
LERCHE, D. 2:293, 2:304, 7:41, 8:293, 9:207
LERNER, S. 48:453
LESTER, D.S. 28:85
LETELIER, M.E. 38:355, 43:151
LETKO, G. 26:97
LEV, A.A. 19:127
LEVENGOOD, W.C. 19:461, 25:225, 32:165
LEVETEAU, J. 39:203, 45:131, 48:407
LEVIN, A.L. 11:167
LEW, H. 18:231
LEWIS, J.G. 43:35
LEXA, D. 1:108, 3:123
LEYKO, W. 1:118
LEYTON, V.A. 38:173
LHOSTE, J.M. 1:108
LI, F.C. 25:131
LI, H. 48:171
LI, J.H. 42:7
LI, L.H. 34:31
LI, L.N. 42:283
LI, Y. 44:295
LI, Y.H. 36:145
LI, Y.R. 25:131
LI, Y.Z. 44:89
LIBOFF, A.R. 32:67, 38:161
LIEBS, P. 19:137
LIEGL, W. 17:253
LIELMEZS, J. 5:285
LIMAYE, N.M. 14:405, 15:341, 17:105, 19:9, 19:21, 22:219, 22:231, 24:249, 27:99
LIMBACH, H.-J. 41:71, 48:285
LIN, H. 28:301, 31:167, 33:115, 36:33, 39:215, 44:111
LIN, J.C. 47:259
LIN, M.S. 15:147, 16:395
LIN, Q. 48:87
LIN, Q.M. 44:301
LIN, S.H. 17:193, 19:301
LIN, Z.H. 44:151
LINDEMANN, B. 3:365, 4:275, 4:287
LINDIGKEIT, R. 8:33
LINDQVIST, L. 39:263

Lindsay, J.G. 13:235, 17:369, 17:383
Lindstrom, E. 46:129
Ling, G.N. 5:411
Ling, H. 12:393, 12:405, 15:229
Linkous, C.A. 19:477
Lioi, M.B. 43:77
Lippe, C. 1:259
Lippe, G. 17:147
Lismonde, M. 18:117
Litovitz, T.A. 25:383, 43:91, 44:237, 46:303, 48:193, 48:209
Little, R.G. 10:69
Liu, C.C. 6:19, 8:379, 8:703, 15:157, 17:59
Liu, D. 27:513
Liu, D.S. 21:319
Liu, F.M. 45:123
Liu, H.Y. 39:303
Liu, J.M. 40:15
Liu, L.M. 37:131, 39:167
Liu, M. 48:369
Liu, Y.C. 39:303
Livertoux, M.H. 17:535
Llor, J. 5:276
Loach, P.A. 1:427
Lober, G. 7:503, 48:415
Loewe, U. 29:81
Lofas, S. 38:137
Lofrumento, N.E. 17:261
Loi, M.B. 43:221
Longhi, P. 17:101
Lopes, C. 45:293
Lopes, C.M.L.F. 39:55
Lopez, J.R. 6:509
Lopez-Cantarero, E. 5:276
Lorenzelli, R. 14:145
Lorenzo, E. 27:73
Losada, M. 5:296
Losito, A. 14:175
Loste, F. 47:119
Lotzbeyer, T. 42:1
Lou, J. 48:217
Lovitt, R.W. 20:21, 21:245
Lovrecek, B. 2:191
Lowenhaupt, B. 10:87, 10:109
Lowe, U. 22:255
Lu, J.T. 36:73, 42:63
Lu, T.H. 34:153, 41:217
Lu, X.D. 39:285
Lu, Z. 48:101
Lu, Z.L. 23:217
Lubicki, P. 43:135
Lucarini, C. 4:54, 6:27, 6:451, 8:201, 11:89, 38:185
Lucas, K. 47:103
Lucas, T.R. 5:168
Luft, G. 5:607
Lukashev, E.P. 37:157
Lukasová, E. 7:671, 8:487, 8:497, 12:135
Lukiewicz, S. 7:153
Lund, H. 1:87, 2:231, 6:441, 7:693
Lundgren, E. 46:129
Lunsford, S.K. 38:229
Luo, D.Z. 43:293
Luo, J. 44:151
Luo, Q.H. 39:291
Lustermann, R. 26:43
Luthardt, U. 8:537, 16:135
Luthe, L.C. 37:47
Lutwack, R. 1:515
Lux, H.D. 3:169
Luzar, A. 13:473, 20:291
Lvov, Y. 48:101
Lyle, D.B. 34:39
Lymangrover, J.R. 14:45
Ma, H. 49:1
Ma, S.M. 17:193, 19:301
Ma, Y.L. 38:229
MacDiarmid, A.G. 5:215
Macedo, T.R.A. 38:281
MacGregor, D.C. 16:361
Machek, J. 7:363
Macias, P. 38:117
Mackey, L.N. 3:596
Madeira, V.M.C. 38:45
Mader, P. 4:413
Madoz, J. 47:179
Maeda, N. 30:181
Maestro, M. 13:55, 14:275, 14:293, 15:353
Mafe, S. 38:367
Magee, F.P. 35:87
Magrisso, M. 27:45
Maile, S. 37:11
Maincent, P. 40:175
Mairesse-Ducarmois, C.A. 6:147
Majeau-Chargois, D. 14:45
Majima, T. 41:127
Majni, G. 32:155
Makar, V.R. 49:29, 49:41
Makino, T. 27:199
Makovos, E.B. 15:157
Makower, A. 39:221
Makropoulou, M. 38:427
Malatesta, F. 15:79, 16:159, 23:265
Malfoy, B. 1:126, 3:440, 3:461, 4:380, 5:483, 7:595
Malinauskas, A. 7:11, 49:21
Malinin, V.S. 22:37, 27:49
Malinski, T. 8:7, 16:371, 21:333
Malke, H. 7:513
Malkin, S. 13:191
Mallardi, A. 38:25
Mallett, D.N. 10:269
Malmgren, L. 30:73
Malorni, W. 36:39
Malpress, F.H. 21:193
Maly, M. 12:431, 15:329
Mammi, G.I. 14:145
Mandersloot, J.G. 15:167
Manicardi, S. 14:183
Manitto, P. 17:101
Manzanares, J.A. 38:367
Manzini, G. 12:443, 12:455
Marangoni, D.G. 25:269
Marano, R.S. 1:73
Marassi, R. 17:27
Marbach, G. 1:23, 1:525
Marcenaro, G. 16:347
Marchesi, M. 9:603
Marconi, L. 14:13, 16:89
Marecek, V. 7:61
Marenghi, P. 14:145
Maret, W. 13:407
Margalit, R. 3:189
Margineanu, D.G. 8:581, 11:273, 16:5
Margolis, L.B. 20:143
Margules, G.G. 16:361
Marhl, M. 46:79
Mariani, G. 14:175
Marigo, G. 25:213
Marin, D. 28:417, 34:25, 38:77, 44:51
Marino, A.A. 29:255, 41:191
Mark, H.B. (Jr.) 5:215, 38:229
Markevich, N.I. 17:559, 22:175
Markin, V.S. 21:373, 23:1, 23:17, 23:27, 23:45, 26:139, 26:251, 46:1
Markó-Varga, G. 38:401, 40:49
Markov, M. 35:53
Markov, M.S. 14:495, 17:35, 30:119, 35:49, 35:57, 43:233, 43:239, 48:27
Markx, G.H. 25:195
Marlow, B.D. 21:63
Maroudas, A. 14:105
Marsh, D. 20:73
Marszalek, P. 22:289, 29:81
Martelli, M. 17:339
Martens, L. 30:73
Martin, G.M. 12:37, 12:467
Martinez, T. 29:215
Martini, C. 13:103
Martino, G. 9:197
Martinoia, S. 38:255
Martirosov, S. 37:153
Martirosov, S.M. 5:554, 5:561, 5:567, 6:315, 8:17, 8:25, 8:597, 8:605, 8:613, 9:459, 10:315, 10:335, 11:29, 12:593, 15:417, 17:183, 17:503, 17:559, 19:353, 22:175
Martynski, T. 25:317
Maruyama, K. 48:95
Marzec, E. 46:29, 46:279, 49:73
Marzulli, D. 17:261
Mascini, M. 4:54, 6:27, 16:149
Mashima, S. 47:291
Masini, A. 18:203, 23:325, 42:169
Masini, J.C. 29:135
Maslennikova, I.G. 22:45
Massonie, J.P. 25:45
Masters, B. 1:466
Masters, B.R. 5:142
Mateescu, M.A. 16:149
Mathis, P. 1:438
Mathur, N.C. 24:355
Mathur, S.P. 43:27
Matronchik, A.Yu. 37:85
Matsue, T. 22:411, 24:347, 29:127, 29:337, 33:91, 34:199
Matsui, T. 25:121
Matsumoto, F. 37:73
Matsumoto, N. 34:199, 43:61
Matsumoto, S. 16:235
Matsunaga, T. 13:393, 27:191
Matsuoka, H. 16:235, 21:343, 32:133, 33:67, 39:115, 45:83, 49:65
Mattanovich, D. 17:253
Matthews, R.H. 10:75, 12:37, 12:467
Matthias, R. 38:377
Mattsson, M.O. 43:169
Matuszak, Z. 7:153
Matysik, F.M. 42:111
Matysik, J. 7:741, 9:761
Matzke, A.J.M. 25:357
Matzke, M.A. 25:357
Maurer, S. 44:111
Mauzerall, D. 24:263
Mavromatos, N.E. 48:273
Mayer, B. 38:35
Mays, R. 12:567
Mazat, J.P. 45:181
Mazhorova, L.E. 40:249
Mazzei, F. 23:195, 23:361, 27:487, 48:463
McAdams, E.T. 40:147
McAleer, J.F. 13:267
McCoy, L.E. 33:143
McCready, W.A. 43:1
McKenzie, D.R. 43:13
McKeown, D. 3:373
McLeod, B.R. 32:67, 38:161
McNeil, C.J. 42:15
McQuillan, A.J. 47:39
McShea, A. 29:205
Meckstroth, M.L. 6:577, 8:63
Mecs, I. 25:183
Mehedintu, M. 40:181, 40:187, 43:67
Mei, W. 40:21
Mela, G.S. 4:73, 13:103
Melanotte, P.L. 14:155, 14:179
Meldolesi, J. 17:361
Meldon, J.H. 5:77
Melikyan, G.B. 12:155
Melnik, E.I. 11:327
Memoli, A. 2:314, 4:54, 6:27, 6:451, 8:201, 11:89
Mendiola, M.A. 48:109
Meng, X. 48:227
Meredith, R.W.J. 20:83
Merker, H.-J. 37:11
Mertens, J. 5:699
Mertz, E.L. 48:397
Mészáros, S. 46:33
Mészárosová, A. 46:33
Mestechkina, N.M. 4:1, 4:512
Methfessel, C. 12:329
Metlicka, R. 32:45
Metzner, H. 3:573, 13:183, 23:141
Meyer, A.E. 16:27
Meyer, G. 3:92, 8:575, 16:509, 36:23, 36:77
Meyer, M. 12:63
Michaelson, S.M. 24:371
Michaile, S. 33:135, 33:143
Michalov, J. 9:15, 10:405
Michalsky, M. 47:311
Micheel, B. 19:173
Mie, Y. 46:175
Mihai, C.M. 40:181, 40:187
Mikac-Dadic, V. 1:364
Miklavcic, D. 30:209, 35:23, 35:93, 35:99, 38:203, 39:61, 43:253, 43:279, 43:285, 45:3
Mikorey, S. 30:127
Milani, M. 32:155, 41:27, 41:63
Milazzo, G. 8:507, 14:5, 19:191
Milch, P.O. 12:3
Milchev, G. 26:339
Mild, K.H. 43:169, 46:129
Milkov, D. 32:77
Miller, I.R. 1:466, 2:215, 2:321, 3:528, 4:217, 4:263, 5:671, 6:537, 11:231, 13:127, 13:211, 19:359, 19:557, 20:99, 22:365, 24:129, 24:323, 28:85, 29:315, 31:323, 45:203, 48:361
Miller, M. 9:287
Miller, W.G 1:448
Mimeault, M. 22:145, 22:391
Minami, K. 29:327
Minc, S. 4:166, 5:247, 10:261, 11:353, 12:367, 15:7
Mindermann, A. 45:55
Minic, Z. 43:181
Minton, J.P. 12:37, 12:467
Mintzer, R.A. 12:393, 12:405, 15:229
Miquel, G. 27:449

Mir, L.M. 35:23, 38:203, 43:253, 43:279
Mironov, A.F. 9:551, 10:477, 10:485, 10:493
Mironov, S.L. 10:345, 12:235, 17:429
Mironova, G.D. 27:367
Mirsky, V.M. 11:327, 21:373, 23:45
Mischel, M. 27:413
Mishra, K.P. 34:129, 34:189
Mispelter, J. 1:108
Mitov, S. 28:435
Mitra, C. 5:601, 7:749
Mitra, C.K. 8:569, 13:401, 24:297, 26:395, 37:161, 47:67, 48:163
Mittenzwey, R. 40:21
Miura, Y. 39:135
Miyagawa, H. 18:295
Miyake, J. 26:117, 34:135, 41:127, 43:71
Mizukami, A. 34:149, 36:61, 38:343
Mizutani, F. 28:489
Moatti, N. 29:277
Mobius, D. 12:375
Modesto, A.M.M. 45:267
Moggia, E. 30:35, 35:33
Mohamed-Ali, H. 37:25
Mohilner, D.M. 5:185
Mohr, P. 3:328, 4:500
Moiroux, J. 3:404, 7:125, 7:333, 9:365
Moisoi, N. 44:257
Molinari, A. 26:177, 34:45, 49:51
Möller, P. 44:57
Momenteau, M. 1:108
Moncelli, M.R. 39:227, 46:205
Monestiez, M. 25:213, 26:223
Monet, J.D. 8:515
Montane, M.H. 29:59
Montero, J.F. 15:113
Monti, D. 17:101, 43:77
Monticelli, G. 17:509
Montrose, C.J. 25:383
Moor, R.M. 21:149
Mora, R. 5:1
Moran, D.J. 5:473
Morando, M. 13:103
Morariu, V.V. 48:441
Moraru, R. 38:427, 40:171
Moreau, J.M. 30:151, 35:127
Morelis, R.M. 46:39
Morello, A. 38:355, 43:151
Moretto, L.M. 36:165, 38:397
Morf, W.E. 15:477
Morgadinho, M.T. 38:281
Morgavi, G. 14:13, 16:89
Morgenlander, J.C. 9:357
Mori, A. 8:125, 8:229, 9:499
Mori, H. 21:343
Mori, K. 23:227, 24:193
Morich, E. 31:193
Morita, N. 18:163, 18:171, 25:121, 32:277, 38:85
Morpain, C. 29:363
Morris, J.G. 20:21
Morrison, D. 17:269
Morrison, M.M. 3:480
Moslavac, K. 2:191
Mostacciuolo, E. 14:99
Motta, A. 49:51
Motta, M. 43:221, 47:297
Mota, A.M. 45:293
Mouneimne, Y. 24:33
Mourant, J.R. 20:57
Mourot, M. 2:106
Moutet, M. 18:137
Movileanu, L. 40:261, 44:169
Muehsam, D.J. 35:71, 43:239, 48:27, 48:35
Muhle, H. 3:393
Mühlig, P. 12:119
Mulier, J.C. 14:93
Muller, B. 15:67
Muller, C. 15:125
Muller, E. 7:459, 10:279
Muller, M. 37:11
Muller, W.E.G. 17:567
Mullins, J.M. 44:237, 48:193
Mund, K. 3:272
Munger, G. 29:305, 38:333
Muraji, M. 31:77, 38:149, 44:271, 46:293, 48:485
Murastugu, M. 6:477
Murata, Y. 28:221
Muratsugu, M. 9:325
Mureramanzi, S. 13:453
Murray, J.C. 14:83
Murthy, A.S.N. 33:71
Muscatello, U. 18:203, 23:325
Mussini, T. 17:101
Mustacchi, G. 14:219
Muto, Y. 29:143
Mutuskin, A.A. 14:347, 40:249
Myara, I. 29:277
Myronyuk, I.Ye. 44:289
Nafziger, J. 30:133, 44:279
Nagy, G. 20:1
Nagy, K. 2:339
Naidenov, N. 32:77
Nakache, E. 5:134, 9:583
Nakache, M. 10:213, 10:229
Nakagawa, M. 36:95
Nakajima, T. 13:393
Nakamura, A. 31:161
Nakamura, H. 33:205, 39:309, 41:167
Nakamura, K. 43:123, 49:57
Nakamura, N. 27:191
Nakanishi, H. 32:27
Nakashima, N. 42:59
Nakasono, S. 27:191, 43:61
Nakata, K. 25:121, 32:277, 38:85
Naktinis, J. 26:1
Namba, Y. 13:393
Nanda, G.S. 34:129, 34:189
Nankova, V. 35:53
Nanming, Z. 47:349
Narayan, P.V.S. 14:23, 14:71
Nardin, R. 33:95
Naser, N. 27:441
Nasr, C. 48:53
Nasser, B. 29:363
Nasser, P.R. 30:161, 35:63
Natali, F. 41:197
Nauer, G. 8:691
Naumann, R. 5:252, 5:264, 9:663, 13:171, 16:245, 20:223, 28:401, 42:241
Navarro, J.A. 18:71, 22:355, 28:205, 42:249
Nazar, A.S.M.I. 39:259
Neamtu, S. 48:441
Neau, E. 7:757, 7:775
Nedbalova, M. 41:181, 48:317
Needleman, R.B. 33:151
Negri, V. 14:145
Neher, E. 38:251
Nekrasova, V.K. 2:43
Nelson, V.C. 15:305
Nemez, L. 14:219
Nemoto, Y. 32:133, 33:67, 45:83
Nentwig, J. 11:155
Neumann, B. 6:117
Neumann, E. 5:313, 8:89, 11:479, 13:219, 13:419, 16:565, 20:45, 21:71, 28:247, 48:3
Neumann, R. 4:171
Newton, C. 5:116
Newton, R. 41:81
Neya, S. 46:175
Nguyen, N.T. 8:413, 9:39, 9:273, 15:257
Ni, B.F. 33:151
Nicholson, D.J. 39:185
Nicolau, C. 17:9
Nie, L.H. 44:83
Nielsen, H.V. 23:65
Nieto, O. 40:215, 46:45
Nigam, H.L. 9:627, 9:639
Niki, K. 28:191
Nikolelis, D.P. 42:71
Nilsson, E. 47:11
Nir, S. 5:116
Nishimoto, T. 21:355
Nishimura, K. 20:109
Niu, J.J. 39:95
Nogues, M. 38:117
Nolte, H.J. 8:89
Nolte, R.J.M. 29:47, 29:159, 33:45
Nomura, K. 17:193, 19:291, 19:301
Nonaka, R. 28:221
Nooden, L.D. 44:131
Nordmann, R. 18:211
Norris, B.J. 6:577, 8:63
Norris, D.M. 14:449
Noszál, B. 2:329
Novakovic, S. 30:209
Novoselova, E.G. 49:29, 49:37
Novotny, L. 36:137, 48:129
Nowak, R.J. 5:215
Núñez-Vergara, L.J. 10:395, 11:265, 11:417, 11:425, 16:333, 16:471, 19:505, 20:125, 23:161, 34:13, 38:355, 43:151, 46:21
Nürnberg, H.W. 1:487, 2:204, 2:245, 3:418, 3:440, 3:461, 5:314, 5:483, 7:705, 14:503
Nuyten, A. 7:575
Oberleithner, H. 11:365
Obermeyer, G. 44:95
Obi, I. 28:221
Obuchi, E. 29:103
Ocon, P. 17:489
Oelschlager, H. 10:25
Oelssner, W. 33:165
Ogandjanian, E.S. 17:503, 19:353, 27:367, 39:13, 39:161
Ogi, T. 43:177
O'Hare, D. 23:203
Oh, K.-B. 45:83, 49:65
Ohki, S. 5:204, 7:487, 13:439, 15:173
Ohkouchi, T. 25:71, 25:81
Ohlsson, P. 38:137
Ohnishi, T. 1:3
Ohsaka, T. 31:289, 37:73, 41:205
Ohsawa, M. 31:65
Ohshima, H. 15:173
Ohtsubo, M. 21:355
Ohya, H. 21:47
Okajima, T. 37:73, 41:205
Okajima, T.L. 33:143, 37:109
Okamoto, Y. 47:291
Okazaki, M. 30:181
Okazaki, S. 8:275
Okazaki, Y. 1:136
Oktyabrsky, O.N. 32:267, 32:287
Okuno, K. 43:123, 48:383, 49:57
Olafson, R.W. 19:111
Oleaga, E. 19:533
Oleinik, S.V. 4:335
Olesen, K.G. 44:57
Oliveira, C.R. 38:297
Olliff, C. 48:149
Olliff, C.J. 6:105
Ollmar, S. 45:157
Olthoff, K. 27:347
Önfelt, A. 26:335
Ono, K. 47:231
Oostdam, A. 16:167
Opanasenko, V.K. 46:71
Opler, M. 42:235, 44:111
Oppl, L. 48:305
Orel, V.E. 46:273
Oren, Y. 11:347, 17:175
Ori, C. 14:241
Orlandi, B. 14:187
Orlowski, S. 38:203
Orsega, E.F. 13:385, 36:165, 38:397
Ortega, J.M. 23:105
Osa, T. 40:35
Osipov, A.N. 22:37
Oskam, A. 16:167
Ostrowski, W. 6:117
Otero, T.F. 38:411, 42:117
Ottolenghi, A.C. 10:75
Ottova, A.L. 39:275, 39:285, 39:299, 42:77, 42:141, 42:161, 44:183
Ouhabi, R. 45:181
Owen, C.S. 17:369, 17:383
Ozdemir, U. 48:53
Ozsoz, M. 23:217, 26:287, 45:33
Paccagnella, F. 14:241
Pace, S.J. 1:73
Pacifici, F. 47:25
Paddison, S.J. 38:321
Paile, W. 36:15
Pajot, P. 7:775
Pakhomov, A.G. 43:27, 43:227
Pakhomova, O.N. 43:227
Palan, B. 48:261
Palazzo, G. 38:25
Palecek, E. 4:361, 4:369, 7:317, 7:643, 7:671, 8:469, 8:487, 8:497, 8:621, 12:135, 15:275, 20:179, 23:285, 28:71, 34:69, 38:77, 40:41, 45:33, 48:477
Palii, P. 38:289
Palmisano, F. 5:25, 5:420
Palombo, A. 30:93, 35:81
Palomero-Rivero, M. 46:297
Paltauf, F. 34:61
Pancoska, P. 41:77
Pandeya, K.B. 11:129
Pang, L. 48:369
Pangan, R.M. 27:341
Paniagua, R. 38:173
Panova, I. 24:41, 27:37
Paoletti, S. 12:443, 12:455
Paoli, G. 9:591
Papadopoulos, N. 29:223
Papahadjopoulos, D. 5:116

Papic, E. 16:471
Papstein, V. 38:267
Paradisi, S. 36:39
Paredes, S. 20:125
Pareo, D. 13:55
Pariente, F. 27:73
Park, M.K. 18:211
Parker, J.E. 47:253
Parker, K.H. 23:203
Parkinson, W.C. 44:131
Parodi, G. 8:387, 9:645
Parodi, M. 9:603
Passarella, S. 1:275, 8:315, 10:185
Passechnik, V.I. 34:61, 37:61, 41:221, 45:233, 47:47
Pastore, A. 14:197, 14:207
Pastorino, M. 30:27, 30:55, 35:103, 35:109
Pastushenko, A.V. 44:23
Pastushenko, V. 6:543, 7:31, 34:101
Pastushenko, V.Ph. 2:52, 3:209, 6:37, 6:53, 6:63, 6:71, 6:81, 6:89, 6:97, 23:337, 26:383, 31:115, 43:143, 44:23
Patriarche, G.J. 6:147, 12:413, 23:167
Patterson, L.K. 18:59
Patzer, J.F. (II) 22:341
Paul, A. 39:259
Paul, R. 38:321
Paula, S. 42:153
Paulmichl, M. 17:141
Pavlik, V. 7:363
Pawlicki, K. 25:371
Paxinos, A.S. 25:425
Pchelnikov, Y.N. 47:283
Pech, M.A. 29:277
Pecinka, P. 22:299
Peeva, L.G. 34:185
Peg, M.T. 30:43
Pekli, M. 2:329
Pelc, R. 26:205
Peleato, M.L. 38:57
Peleg, N. 43:19
Penafiel, L.M. 48:193
Penafiel, M. 44:237
Peng, D. 48:243
Peng, T. 15:147, 16:395
Pennarun, A.M. 25:213, 26:223
Perardi, A. 17:147
Pereira, J.L.C. 22:379, 31:311
Perez, P. 38:77
Perino, C. 31:215
Perlino, E. 10:185
Peronneau, P. 10:229, 19:207
Perrot, R. 36:83
Pershin, S.B. 30:327
Persson, B. 16:479
Persson, B.R.R. 30:73, 30:293, 30:313, 46:241, 47:97, 47:163
Peschek, G.A. 38:35
Pesliakiene, M.V. 8:81
Pessa, E. 48:339
Pessina, G.P. 44:243
Pessoa, H. 46:21
Petcu, I. 40:159, 42:179
Petelska, A.D. 46:199
Peters, M.J. 47:273
Peters, P.H.J. 16:519
Petit, C. 41:101
Petkanchin, I.B. 20:241, 28:451, 38:111
Petrak, M.R. 45:193
Petri, I. 19:95
Petrini, C. 44:121
Petronio, B.M. 19:263
Petrosian, L.S. 8:17, 8:613
Petrov, E.G. 48:333
Petrova, S.A. 4:335, 4:346, 5:661, 6:405, 9:167, 11:105
Petticrew, K.L. 38:229
Pevalek-Kozlina, B. 30:319
Pfeiffer, D. 11:155
Phillips, J.L. 40:1, 44:127, 45:103
Phillips, W. 17:287
Phung-Nhu-Hung, S. 24:215
Picazo, M.L. 30:203, 38:173
Picone, T.K. 10:75
Pidoplichko, V.I. 7:195, 7:421
Piedade, A.P. 28:105
Pieper, W. 42:123
Pieroni, L. 44:279
Pietrobon, D. 15:193
Pilard, R. 9:91
Pilla, A.A. 1:227, 3:370, 8:515, 10:119, 12:259, 30:119, 30:161, 35:57, 35:63, 35:71, 43:233, 43:239, 48:27, 48:35
Pilloton, R. 16:149
Pilwat, G. 3:58, 7:553, 10:155
Pincemail, J. 18:117
Pinchuk, A.O. 48:329
Pinielle, I.D. 6:405
Pisa, S. 29:289
Pisarevsky, A.M. 2:26
Piskala, A. 48:129
Pitrincová, J. 22:299, 25:109
Pizarro, E.I. 38:307
Pizzichini, M. 8:371, 9:711, 9:733
Planques, B. 28:127
Plasek, J. 39:195
Platzer, C. 19:173
Platzer, K. 44:95
Pleiss, J. 45:55
Pliquett, F. 10:467, 14:495, 17:35, 17:81, 31:193, 47:81
Pliquett, U. 39:1, 39:39, 47:81
Pliquett, U.F. 47:151, 49:11
Plusnina, T.Y. 35:39
Pocius, A.K. 11:61, 12:583
Pohl, H.A. 17:287
Pokorny, J. 7:517, 41:31, 41:35, 41:53, 41:181, 45:239, 48:261, 48:267, 48:317
Pol, H.K. 43:27
Polewski, K. 28:483
Poli, G. 14:145, 14:151
Polichetti, A. 44:121
Polk, C. 28:279
Pollakis, G. 12:147
Pollock, J.K. 17:287
Pologea-Moraru, R. 46:237
Polunina, L.G. 47:143
Pommerening, K. 4:500
Ponomarenko, S.P. 43:165
Pons, S. 13:267
Ponta, D. 8:387, 9:645
Pooga, M. 42:123
Popdimitrova, N.G. 12:173
Popescu, A.H. 48:441
Popescu, A.I. 40:153
Popescu, D. 8:581, 25:91, 25:105
Popov, S.V. 20:143
Popov, V.O. 28:473
Port, L.L. 1:14
Portnov, V.I. 23:45, 26:139
Poscia, A. 44:177, 45:221
Pospischil, A. 44:275
Potapenko, A.Y. 31:193
Potel, M. 28:127
Potkonjak, B. 7:345
Potts, M.D. 44:131
Powell, G.L. 20:73
Powell, K.T. 12:393, 12:405, 15:211, 15:243, 20:57, 28:235
Pozza, V. 14:241
Pradác, J. 1:418
Pradko, J.R. 13:267
Pravdic, V. 1:364
Preat, V. 38:223, 47:151
Prestipino, G. 17:361
Pretnar, G. 25:183
Priel, Z. 42:133
Prisco, F. 43:221
Prokopova, B. 41:209
Proks, P. 26:493
Prot, O. 40:175
Prümke, H.-J. 3:328
Przegalinski, M. 7:741, 9:761
Przulj, Z. 41:43, 41:93
Pu, G.G. 29:347
Puchala, M. 1:118
Pungor, E. 20:1
Pupin, F. 30:195
Purcell, M. 22:391
Putinas, J. 24:371
Putvinsky, A.V. 22:37, 27:49
Puu, G. 38:137
Puxeddu, A. 1:29
Pyke, S. 18:231
Pyne, S. 47:247
Qian, J.G. 39:303
Qian, W. 39:291
Qian, Z.B. 46:193
Qing, T. 47:349
Qu, X.G. 34:153
Quagliariello, E. 1:275, 8:315, 10:185
Quarin, G. 23:167
Quartero, H.W.F. 47:273
Quartieri, S. 12:543
Quintanilha, A. 18:231
Quintern, J. 43:257
Radenovic, C. 7:345
Radha, P.K. 27:99
Radi, A. 45:275
Radiyschkina, K.A. 4:18
Radko, S.P. 31:49, 37:85
Radu, M. 40:159, 42:179, 44:257, 46:285
Raganella, L. 35:121
Raghavan, R. 10:357
Raicu, V. 47:325, 47:333
Rajeshwari 24:355
Rajeswari, K.R. 14:71
Rajfur, Z. 27:57
Rakshit, A. 13:485
Ramasamy, N. 1:244, 4:137
Ramoni, C. 44:121
Ramsden, J.J. 20:269
Ramusino, M.C. 7:699
Randoll, U.G. 27:341
Ranweiler, J.S. 3:113
Rao, G.P. 33:101
Rao, J.R. 3:139
Rao, L. 40:59, 43:197
Raskmark, P. 36:109, 40:193, 44:251, 48:177
Ratkovic, S. 7:345, 7:405
Raudino, A. 26:63
Rauer, B. 20:45
Rauwel, F. 3:284
Raval, M.K. 12:57
Ravazzani, P. 47:213
Raveh, O. 43:19
Rawson, D.M. 37:77
Razquin, P. 38:57
Razumas, V. 7:11, 10:427, 28:159, 39:139
Razumas, V.J. 12:297, 15:407, 16:205, 19:513, 22:9, 26:475
Reboiras, M.D. 15:113, 17:489, 39:101
Rechnitz, G.A. 4:87
Redinha, J.S. 22:379
Reedijk, J. 21:199
Regelsberger, G. 38:35
Regling, G. 22:241
Rehak, M. 39:235, 41:221, 42:35, 45:233
Rehkopf, B. 45:55
Rehwald, W. 11:365
Reihs, K. 45:17
Reinert, K.E.W. 8:301
Reintgen, D. 36:83
Reisenhofer, E. 1:29, 12:443, 12:455, 32:181
Reiter, R.J. 47:135
Reiter, S. 17:253
Reitz, M. 47:89
Réjou-Michel, A. 6:289, 7:209, 12:517
Remis, D. 9:15
Renger, G. 7:101
Renneberg, R. 4:500, 19:137, 22:113
Renukambal, A. 19:161
Repetto, Y. 38:355, 43:151
Reszka, K. 7:153
Reynaud, J.A. 1:126, 3:561, 4:380, 7:267, 7:595, 15:103, 17:9, 24:33, 34:1
Ribeiro, C.A.F. 38:281
Ribière, C. 18:211
Ribo, J.M. 15:125, 29:1
Rice-Evans, C. 18:257
Richter, G. 3:272
Richter, G.J. 3:139, 5:607
Richter, H.P. 27:41
Rickard, L.H. 5:686
Ridd, M.J. 41:115
Ridella, S. 3:1, 13:103, 14:13, 16:89
Riedel, K. 19:137, 22:113, 25:19
Riemann, F. 3:58
Riener, R. 43.257
Rigo, A. 13:385, 25:307
Rigoulet, M. 45:181
Rinaldi, E. 14:145
Ringsdorf, H. 42:241
Rishpon, J. 2:215, 3:528, 4:217, 43:19, 45:27
Ritchie, I.M. 19:521
Rittich, B. 40:233
Rittweger, J. 37:31
Rivas, G. 29:19, 40:41, 45:33
Rivat, C. 4:242
Rivera, N. 34:169
Rix-Montel, M.A. 16:427, 21:87
Riznichenko, G.Y. 35:39
Rizzo, R. 32:181
Roberts, T.P.L. 47:265
Robertson, B. 37:157
Rochdi, M. 33:83
Roddick-Lanzilotta, A. 47:39
Rodemann, H.P. 27:269
Rodriguez, A.R. 40:215, 46:45
Rodriguez, F. 38:105
Rodriguez, L. 38:307
Rogalla, H. 47:273
Rogers, G.T. 10:269

ROGERSON, J.G. 37:77
ROKOV, Z.T. 2:191
ROLANDI, R. 9:591
ROLANDO, C. 14:13, 16:89
ROLLEMBERG, M.C. 48:61
ROLS, M. 47:129
ROLS, M.P. 19:59, 24:101, 38:203, 44:103
ROMAN, A. 19:505
ROMANOWSKI, M. 19:371
ROMANOWSKI, S. 41:47
RONA, J.P. 4:185, 7:377, 25:213, 26:223, 31:215, 48:135
RONCEL, M. 18:71, 22:355
RONDININI, S. 17:101
ROOZE, M. 30:189
ROSCOE, S.G. 25:269, 28:367
ROSE, S.M. 5:88
ROSEMBERG, Y. 42:275
ROSENGARD, F. 16:549
ROSENHECK, K. 5:723
ROSS, S. 41:81
ROSSETTI, C. 16:509
ROTINI, R. 14:145, 14:151
ROUACH, H. 18:211
ROUSE, C.A. 11:359
ROUX, E. 9:157, 22:323
ROWLAND, J. 40:99
RUAN, C.M. 45:287
RUBINSON, J.F. 38:229
RUCAREANU, C. 25:91
RUCKMANN, H.-I. 22:241
RUDLOFF, V. 3:509, 5:223
RUGGIERI, M.P. 19:315
RUGGIERI, P. 14:115
RUKENSTEIN, A. 42:235
RUKER, F. 17:253
RUMBERG, B. 3:393
RUOHONEN, J. 47:213
RUPPEL-KERR, R. 22:341
RUPPRECHT, A. 1:364
RUPRECHT, H. 15:477
RUSLING, J.F. 48:101
RUSSELL, D.N. 35:19
RUSTRUM, W.V. 38:209, 48:453
RUTING, T. 48:243
RUTTKAY-NEDECKY, G. 4:399
RUYSSCHAERT, J.M. 9:489, 12:147, 15:497, 17:277, 31:179
RUZGAS, T. 28:159, 49:21
RYABOV, A.D. 24:257
RYABY, J.T. 35:87
RYAN, M.D. 5:478, 7:587, 12:575, 15:305, 16:407, 21:269
RYBOVA, R. 9:509
RYLEY, H.C. 18:301
SAALMAN, E. 26:335
SABBATINI, L. 5:25, 5:420
SABELNIKOV, A.G. 22:271, 24:313
SABRI, N. 44:103
SACCHETTI, C. 4:73
SACHYANI, M. 9:229
SACK, H. 27:347
SADOVNIKOV, V.B. 49:29, 49:41
SAFFAR, C. 18:211
SAFFER, J. 16:63
SAFFER, J.D. 40:1
SAFRONOVA, V.G. 43:217
SAFROSHKINA, A.A. 30:287
SAGARA, T. 28:191
SAGRIPANTI, J. 16:63
SAIBARA, T. 47:325, 47:333
SAIKI, H. 43:61
SAITO, M. 32:133, 33:67, 39:115, 45:83, 49:65
SAKAMOTO, M. 9:571, 10:251
SAKURA, S. 8:43, 28:387
SAKURAI, H. 49:57
SALAMON, Z. 21:213, 22:211, 23:153, 25:447, 26:321, 27:381
SALFORD, L.G. 30:73, 30:293, 30:313, 46:241, 47:97, 47:163
SALIE, G. 7:625
SALOMAA, S. 36:15
SAMALIUS, A.S. 8:81, 10:385, 13:163
SAMEC, Z. 7:61, 7:125, 9:365
SAMMARTINO, M.P. 21:55, 23:195, 26:237, 47:25
SAMUELSON, L.A. 44:37
SANCELME, M. 33:83
SANCHEZ-CRUZ, M. 28:473
SÁNCHEZ, S. 23:81, 36:67
SANDBACH, D.R. 3:158
SANDBLOM, J. 46:161
SANE, N. 48:69
SANFELD, A. 5:401, 5:780
SANSEN, W. 14:93
SANSINENA, J.M. 38:411, 42:117
SANTAMARIA, C. 24:203
SANTHANAM, K.S.V. 1:147, 12:535, 14:405, 15:341, 17:105, 19:9, 19:21, 22:219, 22:231, 24:249, 27:99, 27:141, 28:213, 32:211, 34:83, 38:405, 40:59, 41:121, 43:197
SANTINI, M.T. 36:39
SANTUCCI, R. 15:521, 17:27, 21:55, 29:177, 44:177, 45:221
SARAH, M. 18:37
SARASIN, A. 18:271
SARGENT, D.F. 33:11, 37:61, 42:35, 42:123
SAROCH, J. 41:35, 48:261
SARTI, P. 15:79, 16:159, 23:265
SARTORI, C. 7:55
SASAKI, K. 8:257, 9:313, 36:47
SASSINE, A. 1:200
SATARIC, M.V. 41:53, 48:325
SATO, A. 26:117
SATO, K. 21:355
SATO, T. 21:47
SATO, Y. 27:199
SATYANARAYANA, M. 14:71
SAUERWEIN, W. 27:347
SAULIS, G. 26:1, 32:221, 32:237, 32:249
SAUS, J.B. 16:301
SAVEANT, J.M. 3:123
SAVITRI, D. 47:67, 48:163
SAVOPOL, T. 38:427, 40:171, 46:237
SAVRIN, R. 43:265
SAWADA, S. 25:121, 40:29
SAWADA, T. 39:83
SAWAGUCHI, T. 29:127
SAWAYAMA, S. 43:177
SAWYER, D.T. 1:162
SAWYER, P.N. 1:244, 4:137, 5:168
SAZOU, D. 14:469
SBARDELLATI, R. 19:263
SCAGLIONE, A. 14:99
SCANO, P. 18:179
SCARANGELLA, A. 14:175
SCARCERIAUX, B. 39:209
SCARFI, M.R. 14:99, 43:77, 43:221
SCARPA, M. 13:385, 25:307
SCHABLOWSKI, M. 47:231
SCHAEPER, D. 8:213
SCHAFER, M. 45:151
SCHAGINA, L.V. 19:127, 40:9
SCHAICH, K.M. 19:477
SCHALLREUTER, D. 13:419
SCHANCK, A. 17:111
SCHASFOORT, R.B.M. 29:159
SCHEER, H. 17:361
SCHEJTER, A. 3:189
SCHELLER, F. 1:478, 3:328, 4:490, 4:500, 6:117, 11:155, 11:307, 19:581, 22:113, 26:287, 45:227
SCHELLER, F.W. 38:419, 39:221, 47:75
SCHELLER, M. 37:25
SCHELTER-GRAF, A. 13:199
SCHERNECK, S. 8:33
SCHETTINO, T. 1:259
SCHILD, L. 38:377
SCHILLER, J.G. 6:19
SCHIMMELPFENG, J. 30:143, 43:51, 43:55
SCHINDLEROVA, I. 8:451
SCHLEGEL, C. 45:151
SCHLEGEL, R. 36:57, 39:295, 44:155, 46:151
SCHLERETH, D.D. 28:473
SCHMAKEL, C.O. 1:147, 5:625
SCHMEDDING, D.J.M. 25:425
SCHMICKLER, W. 8:269
SCHMID, R.D. 24:305, 26:277, 33:191
SCHMIDT, H.-L. 13:199, 42:1
SCHMIDT, H.E. 3:328
SCHMIDT, W.E. 27:393
SCHNEEWEISS, F.H.A. 30:111
SCHOFFENIELS, E. 5:315
SCHOLTS, M.J.C. 16:55
SCHOTT, H. 4:117
SCHRAMEK, R. 41:97, 47:311
SCHREBLER, R. 17:523, 36:67
SCHREBLER, R.S. 23:81
SCHREIBER, B. 1:355, 6:427, 9:265
SCHREURS, J.P.G.M. 9:743
SCHUBERT, U. 9:207
SCHUHMANN, W. 42:1
SCHULMEISTER, T. 11:155
SCHULTE-FROHLINDE, D. 18:147
SCHULZ, O. 27:281, 37:17
SCHULZE, K.D. 26:159
SCHULZE, W. 27:221
SCHUMAN, N.V. 43:165
SCHUMILINA, E.V. 22:45
SCHURHOLZ, T. 21:71
SCHUSTER, S. 45:181, 46:79
SCHWARTZ, M. 12:243
SCHWARZ, K. 19:173
SCHWARZ, K.-H. 48:233
SCIBONA, G. 9:733
SCOTTO, V. 16:347
SCUPPA, B. 9:733
SEBELA, M. 41:173
SÉCHAUD, F. 18:13
SÉCHAUD, P. 8:633, 18:13
SEIDEL, B. 19:173
SEITER, M. 29:363
SEIYAMA, A. 30:181
SÉLÉGNY, E. 9:679, 9:699, 10:133, 12:73, 12:93, 17:205, 19:247, 31:271, 40:239
SELIM, S. 12:193
SEMENOVA, G.A. 46:71
SEMROV, D. 39:61, 43:265, 43:271
SEN, S.K. 7:61
SENDA, M. 2:61, 3:253, 8:151, 9:253, 23:227, 24:193, 24:365, 25:71, 25:81, 28:221, 29:327, 31:85, 34:93
SEQUARIS, J.-M. 3:440, 3:461, 4:380, 5:483, 13:127, 13:225, 26:15
SERAFETINIDES, A. 38:427
SERRA, X. 15:125
SERRANO, A. 23:105
SERRANO, S.H.P. 42:175
SERRE, P.A. 6:555, 9:91
SERSA, G. 30:209, 35:23, 35:93, 35:99, 38:203, 39:61, 43:253, 43:279
SESTAKOVA, I. 40:223
SETA, P. 1:329, 7:539, 27:449
SETO, Y.J. 14:45
SETTIMJ, G. 2:163
SEVILLA, J.M. 16:317
SEVILLA, MA.T. 48:109
SEYER, I. 11:155
SHAI, Y. 29:315
SHAKHOVALOV, Y.A. 7:195
SHAKUNTALA, K. 19:161
SHALTS, N. 33:19
SHAMIM, A. 10:69
SHAO, M.J. 17:59
SHAPOVAL, G.S. 44:289
SHARAN, R.N. 30:111
SHARMA, R. 10:57
SHAROV, V.S. 22:37, 27:49
SHAROVSKAYA, J. 45:55
SHCHEGLOV, V.S. 27:405, 31:49
SHCHEPIN, Y.V. 43:161
SHCHIPUNOV, YU.A. 22:45
SHEN, M.C. 39:291
SHEN, X.C. 16:13
SHEPPARD, A. 5:67
SHERGILL, J.K. 45:293
SHI, B. 16:13
SHI, X.H. 46:193
SHI, Y. 38:229
SHI, Z.M. 43:1
SHIBATANI, S. 29:327, 31:85, 31:131
SHIGA, T. 30:181
SHIKU, H. 29:337, 33:91
SHINBO, T. 20:109
SHINOHARA, H. 20:169, 22:23, 26:307
SHINTANI, Y. 37:73
SHIRAISHI, H. 31:203, 40:41, 45:33, 48:95
SHIRLEY-HENDERSON, A. 25:335, 29:185
SHIUE, L.R. 8:213
SHIVAROVA, N. 11:181
SHKIRMANTE, B. 35:13
SHKUROPATOV, A.YA. 23:239
SHMIGOL, A.V. 42:197
SHODA, M. 43:123, 48:383, 49:57
SHUGAR, D. 1:40, 5:713, 9:287, 26:441
SHULZE, S. 48:69
SHUMAKOVICH, G.P. 2:35, 4:1, 4:512, 14:347, 40:249, 46:185
SHUVALOV, V.A. 23:239, 26:29
SHVETS-TENETA-GURII, T.B. 47:143
SICARD, P.J. 1:126, 4:380
SIDORENKO, A.V. 48:223
SIDOROV, V.D. 30:327
SIEBER, M. 42:213
SIERON, A. 35:29
SIGALAT, C. 13:143

Siggel, U. 3:302, 8:327, 8:339, 8:347
Sigler, K. 7:371, 39:195
Silberman, I. 43:19
Sil'berstein, A.Y. 2:1
Silva, L.A. 38:315
Silva, M.J. 34:177, 37:141
Silverstein, T. 4:263
Silvestroni, L. 7:55
Simionescu, B.C. 5:1
Simionescu, C.I. 5:1, 9:723, 14:425, 14:429
Simm, A. 47:103
Simon, H. 25:425
Simon, W. 15:477
Simone, M.J. 7:659
Simonova, M.V. 23:17, 23:27
Simunic, D. 47:221
Singh, R.P. 10:57, 10:289, 10:441, 11:129, 13:329
Singh, S.P. 10:289, 10:441, 13:329
Singhal, N.K. 44:201, 45:47
Sintzoff, S. 30:229
Siontorou, C.G. 42:71
Sisken, B.F. 5:459, 8:633, 29:121, 48:27
Sitko, D. 27:57
Sivak, B. 39:299, 45:233, 47:47
Sixma, T.K. 15:167
Sixou, S. 31:237, 38:129
Skladal, P. 32:145
Skodic, A. 25:183
Skrinjar, M. 41:43, 41:93
Sladic, D. 17:567, 26:457
Slawinska, D. 28:483
Slawinski, J. 27:57, 28:483
Slivnik, T. 45:3
Sloan, S.R. 12:393, 12:405, 15:229
Slutskii, L. 35:13
Smaal, E.B. 15:167
Smal, A. 29:357
Smirnova, G.V. 32:267, 32:287
Smith, J.R. 3:214
Smith, K.M. 25:415
Smith, M.W. 16:509
Smith, S.D. 3:99, 5:177, 8:661, 12:555, 12:567, 32:67, 38:161
Smith-Sonneborn, J. 11:373
Smyth, W.F. 8:459
Snakin, V.V. 8:709
Snart, R.S. 2:154
Snejdarkova, M. 39:235, 41:221, 42:35, 45:233, 47:47
Snel, J.F.H. 43:41
Soam, D. 10:57, 10:289, 10:441
Soccorsi, L. 7:699, 9:219, 9:379, 16:449
Sode, K. 27:191
Soffer, A. 11:347, 17:175
Sokirko, A. 34:101
Sokirko, A.V. 33:25
Sokolikova, L. 37:61, 47:47
Sokolov, V.S. 7:413, 11:327, 21:373, 23:1, 23:17, 23:27
Sola, M. 26:123
Soler, J. 16:301
Solis, V.M. 29:19
Solivajsova, A. 36:137
Solomon, B. 45:27
Solov'ev, A.A. 26:29
Sommer, A. 40:159
Sommer, R.G. 3:622
Song, M.I. 38:419
Song, S.H. 19:337, 21:233
Sonoda, K. 46:175
Sontag, W. 44:141, 46:255
Soo, L. 1:293, 17:349, 22:313, 24:51, 28:291, 28:301, 30:85, 33:115, 38:267, 40:63, 42:231, 45:253, 46:139
Sorfova, J. 41:181
Sorgato, M.C. 17:147
Sorokina, A.D. 23:271
Sotiropoulos, S. 29:223
Sotoyama, H. 45:83, 49:65
Sousa, P.M.P. 45:267
Sowers, A.E. 34:31
Spadaro, J.A. 1:266, 3:49, 5:232
Spanova, A. 40:233
Spataru, N. 39:89
Spencer, P.L. 38:355, 43:151
Spiga, L. 13:103
Spinelli, M. 14:207
Spinoglio, L. 41:27
Sportelli, L. 9:197
Squella, J.A. 10:395, 11:265, 11:417, 11:425, 16:333, 16:471, 19:505, 20:125, 23:161, 34:13, 38:355, 43:151, 46:21
Srinivasan, S. 1:244
Srivastava, V. 9:627, 9:639
Srobar, F. 41:31
Stachowicz, N. 47:103
Stalder, K. 13:365, 15:89
Stamford, J.A. 38:289
Stapulionis, R. 48:249
Stark, J.M. 18:301
Starke, R. 7:513
Stefanoni, P. 21:55
Steinberg, F. 27:347
Steinem, C. 42:213, 45:17
Stenz, H.G. 44:261
Sternberg, R. 5:548
Stevanato, R. 25:307
Stieve, H. 3:151
Stillings, D. 14:29
Stillwell, W. 6:525
Stinstra, J.G. 47:273
Stockbridge, L.L. 31:259
Stocklein, W.F.M. 47:75
Stoeckenius, W. 3:371
Stoica, I. 46:285
Stolley, P. 19:173
Stolovitsky, Y.M. 9:79
Stoner, G.E. 9:229
Stoylov, S.P. 12:49, 12:173, 13:453
Stradins, J. 4:195, 4:508, 32:1
Straface, E. 36:39
Strahilov, D. 24:41
Strakhova, A.K. 32:35
Streffer, C. 27:347
Stribling, L.J.V. 47:253
Strnad, G. 4:500, 6:117
Stroeve, P. 5:77
Strope, E.R. 12:3
Studnickova, M. 7:643, 9:333, 9:345, 12:279, 12:431, 13:25, 13:407, 15:317, 15:329, 21:83, 22:299, 25:109, 41:173, 43:157
Stühmer, W. 16:341
Sturm, F. 3:139, 3:272, 5:607
Su, C.H. 5:196, 6:577
Subrahmanyam, S. 14:23, 14:71
Suchy, V. 36:137
Suder, K.S. 38:209
Sugai, M. 31:131
Sugar, I. 11:479
Sugawara, K. 26:469, 31:229, 33:205, 39:309, 41:167
Sugimura, K. 24:241
Sugino, H. 26:117, 34:135, 41:127
Sugino, S. 18:295
Sugiura, M. 20:109
Sugiyama, Y. 34:149, 36:61, 38:343
Suhar, A. 25:183
Sukharev, S.I. 9:133, 9:141, 9:149, 21:179
Sukhorukov, V.L. 31:193
Sumi, M. 46:289
Sun, F.Z. 21:149
Sun, H. 49:1
Sun, J.J. 44:45
Sun, W. 48:101
Sun, Z.S. 23:177
Suponeva, E.P. 8:251, 22:75
Surmann, P. 48:233
Sussmuth, R. 40:21, 45:93, 46:59, 46:65, 48:375
Suznjevic, D. 34:19, 39:129, 43:181
Suzuki, A. 36:47
Svetina, S. 6:227, 13:473, 34:101, 43:97
Swayambunathan, V.S. 27:141
Swiatek, J. 26:15
Swicord, M.L. 16:63, 34:39, 39:175
Swysen, C. 7:575
Sy, D. 32:295, 34:1
Sybesma, C. 7:575
Syková, E. 3:582, 7:231
Symons, M. 7:575, 16:45
Szaraz, S. 28:149
Szmigielski, S. 30:253
Szostkova, M. 47:319
Szuba, M. 30:265
Szucs, A. 21:133
Szundi, I. 2:339
Szweda-Lewandowska, Z. 1:118
Szweykowska, M. 5:713
Szymczuk, D. 29:357
Tabakovic, I. 17:567, 26:457
Taboy, C.H. 48:79
Taga, M. 26:469, 31:229
Taglietti, V. 17:153
Takácsi Nagy, G. 2:329
Takagi, M. 7:291, 18:163, 18:171, 25:121
Takahashi, H. 48:383
Takahashi, R. 31:203
Takamura, K. 8:125, 8:229, 9:499, 9:571, 10:251, 31:65, 33:159
Takayama, K. 45:67
Takehara, K. 26:297, 27:207, 27:501, 29:103, 29:113, 39:135
Takekawa, Y. 16:235, 21:343
Takemura, T. 18:295
Takeuchi, T. 36:101
Talekar, S.V. 8:137
Tamamushi, R. 11:135, 11:289, 17:519
Tamburello, C.C. 30:303
Tamiaki, H. 48:95
Tamisier, L. 17:303, 19:207
Tamura, K. 18:163
Tamura, T. 26:117
Tan, H.W. 44:83
Tan, S.N. 28:459
Tanaka, F. 39:135
Tanaka, K. 11:135, 11:289, 17:519, 21:95, 26:403, 26:413, 29:143, 41:201, 48:383
Tanaka, S. 26:469, 31:229, 33:205, 39:309, 41:167
Tanaka, T. 21:47
Taneva, S.G. 20:241, 27:63, 28:451, 38:111
Tanigawa, T. 18:295
Taniguchi, H. 48:485
Taniguchi, I. 13:373, 46:175
Taniguchi, R. 38:85
Tanioka, N. 40:29
Tanisho, S. 21:25
Tansing, K. 48:3
Tanzi, F. 17:153
Tapia, T. 19:39
Tarasevich, M.R. 2:69, 3:589, 4:18, 4:314, 5:18, 6:37, 6:155, 6:393, 6:587, 7:309, 19:581, 27:509
Tarasiuk, A. 42:133
Tarricone, L. 29:289, 30:275, 35:81, 47:199
Tartaglia, I. 14:145
Tarus, B. 46:1
Tatebe, W. 31:77, 38:149, 44:271, 46:293, 48:485
Tatsumoto, N. 16:193
Tavernier, A. 30:65
Tavernier, I. 15:103
Teijeiro, C. 28:417, 34:25, 34:69, 38:77, 44:51
Teissié, J. 17:9, 19:49, 19:59, 20:133, 24:101, 25:295, 29:59, 31:237, 38:129, 38:203, 44:103, 46:115, 47:113, 47:119, 47:129, 48:17
Temerk, Y.M. 7:705, 8:671, 11:449, 11:457, 12:205, 12:475, 16:485, 16:497, 24:165, 24:179, 25:137, 34:77, 36:149, 38:359
Temsamani, K.R. 15:497, 31:179, 38:63
Tenenbaum, A. 3:528, 4:217
Tenforde, T.S. 25:1
Tenygl, J. 10:301
ter Brake, H.J.M. 47:273
Ter-Minassian-Saraga, L. 5:357, 5:369
Ter-Nikogossian, V.A. 17:183
Tessier, A. 38:333
Thellier, M. 20:215
Theuvenet, A.P.R. 3:230, 16:519
Thévenot, D. 1:96, 3:284, 3:491
Thévenot, D.R. 5:548
Thoma, C. 5:369
Thomas, C. 5:357
Thomas, C.L. 5:177
Thompson, M. 13:255, 15:371
Thrivikraman, K.V. 9:357
Tien, H.T. 5:318, 9:559, 12:529, 13:299, 15:19, 15:395, 16:13, 16:185, 16:435, 17:409, 19:227, 19:277, 19:283, 19:405, 19:491, 21:213, 22:69, 22:211, 23:153, 24:1, 25:317, 36:127, 36:145, 39:275, 39:285, 39:299, 42:77, 42:141, 42:161, 44:183
Timoneda, J. 16:301
Tine, G. 30:303
Tirone, P. 46:205
Titien, H. 6:509, 6:525
Tjarnhage, T. 38:137

Tobiana, G. 12:509
Tobias, H. 11:347
Toda, F. 31:161
Todorov, G. 12:49, 13:453, 20:241
Todorov, S.I. 13:117
Tofani, S. 36:9
Tokarsky, J.M. 1:180, 2:348, 3:106, 5:63
Tokimitsu, I. 9:253
Tokuda, K. 31:289, 37:73, 41:205
Tolgyesi, F. 17:509
Tollin, G. 25:447, 26:321, 27:381, 28:205
Tomasi, A. 42:169
Tomassetti, M. 23:195, 26:237, 47:25
Tomcik, P. 46:33
Tominaga, M. 42:59
Tommasi, T. 35:33, 44:215
Tomov, T. 24:41, 27:33, 27:37
Tomov, T.Ch. 12:253, 19:397, 22:127, 37:101
Tong, R.T. 44:285, 45:173, 48:469
Torelli, G. 14:115, 19:315
Torrence, P.F. 33:171, 39:263
Torstensson, A. 5:601, 7:749, 8:569
Tosato, M.L. 2:163, 4:98, 7:699, 9:379
Toselli, M. 17:153
Tóth-Boconádi, R. 20:269, 38:53
Tóth, S. 25:183
Totolin, M. 9:723, 14:425, 14:429
Toyama, S. 31:161
Toyosawa, K. 13:373
Toyotama, H. 34:135, 41:127, 43:71
Traikov, L.L. 35:49
Traina, G.C. 14:145
Tranchida, G. 21:55, 29:177
Traub, O. 45:55
Trchounian, A.A. 8:25, 8:597, 8:605, 8:613, 9:459, 11:29, 13:231, 15:417, 17:183, 17:503, 19:353, 27:367, 33:1, 39:13, 39:161, 43:129
Trenti, T. 18:203, 23:325
Tresselt, D. 16:135
Tribollet, B. 2:351
Triebel, H. 5:335
Trillo, M.A. 39:77
Tripathy, A. 44:183
Trissl, H.W. 7:167
Trkal, V. 41:35, 45:239, 48:261, 48:317, 48:321
Trnková, L. 7:643, 21:83
Trojan, S. 41:181, 48:317
Trombe, M.C. 17:269
Trommer, W. 29:363
Troshin, G.I. 47:143
Trotta, F. 14:183
Trout, S.J. 38:289
Tsoneva, I. 19:217, 24:41, 26:339, 27:33, 27:37
Tsoneva, I.C. 12:253, 19:397, 22:127
Tsong, T.Y. 15:457, 21:319, 24:271, 26:251, 29:81
Tsuchiya, K. 48:383
Tsukahara, K. 43:177
Tsunetsugu, S. 36:47
Tsushima, M. 31:289
Tsusi, K. 5:723, 13:419, 20:203
Tsuyama, T. 41:201
Tu, P.G. 45:127
Tuffet, S. 30:151
Tuinstra, R. 43:7
Turánek, J. 15:317, 22:299
Turauska, A. 35:13
Turcu, I. 48:441
Turczynski, B. 35:29
Turina, P. 33:31
Turner, A.P.F. 42:25
Turner, D. 48:415
Turner, M.J. 2:13
Turovska, B. 32:1
Tuschel, D.D. 12:575
Tuszynski, J.A. 41:71, 48:285
Tyagi, S.K. 13:343
Tyapochkin, E.M. 24:257
Tyszkiewicz, E. 9:157, 22:323
Ubeda, A. 39:77
Uchida, I. 22:411, 24:347, 29:127, 29:337, 33:91, 34:199
Ueda, I. 17:193, 19:291, 19:301
Uehara, M. 8:523
Ueno, A. 31:161
Ueno, T. 41:127
Újec, E. 7:363
Ulberg, Z.R. 26:131
Ulstrup, J. 21:289, 44:57
Uluc, A. 28:311, 31:39
Ungvichian, V. 43:83
Uno, B. 23:227, 24:193
Uosaki, K. 7:527
Urbanova, M. 41:77
Usui, T. 24:365
Vachalkova, A. 36:137, 48:129
Vaidhyanathan, V.S. 1:378, 5:754, 6:273, 6:599, 7:25, 12:105
Vais, H. 11:273, 16:5
Valdes, E.M. 38:307
Valencic, V. 35:115, 43:271
Valent, A. 48:109
Valenta, P. 1:487, 2:204, 2:245, 3:418, 3:440, 3:461, 5:483, 7:705, 13:225, 14:503, 24:179
Valera, R. 44:51
Vallejo, A.E. 42:187, 47:343
Valleton, J.M. 10:133, 12:73, 17:205
Vallone, B. 23:265
Vallot, R. 9:103, 18:137
Valtersson, U. 43:169
Van de Sande, J.H. 19:425, 19:441
Van de Sype, G. 7:377
Van den Black, J.L. 6:147
Van den Branden, M. 9:489
Van den Broek, S.P. 47:273
Van der Bend, R.L. 16:167
Van der Wal, A. 34:53, 37:149
Van Dijk, C. 9:743
Van Duijneveldt, F.B. 27:161
Van Eesorn, Y. 8:459
Van Gorkom, H.J. 16:77
Van Hese, J. 30:73
Van Heukelom, J.S. 14:479
Van Kempen, H. 29:47
Van Lamsweer-De Gallez, D. 8:179
Van Leeuwen, H.P. 34:53
Van Leeuwen, J.W. 9:743
Van Lier, J.E. 18:155
Van Ryn, R.T. 17:457
Van Stroebiezen, S.A.M. 33:55
Van Til, A.L. 27:161
Van Voorhis, N. 36:83
Van Voorthuysen, T. 43:41
Van Walraven, H.S. 16:55, 16:167, 16:273
Vanbever, R. 38:223, 47:151, 49:11
Vankova, Z. 46:33
Vanysek, P. 7:61, 23:177
Vardanian, A.G. 20:249
Varfolomeyev, S.D. 4:314, 5:18, 6:393, 12:267, 24:257, 32:35
Vartanian, A.G. 8:613
Vasilescu, D. 16:427, 21:87
Vasquez, R.E. 14:389
Vassilev, P.M. 15:395
Vassilian, A.V. 39:13
Vassu-Dimov, T. 46:285
Vaughan, T.E. 46:121
Vavricka, S. 48:43
Vecchia, P. 44:121
Veeger, C. 9:743
Vega, C.A. 11:135, 11:289, 17:217
Vega, J.M. 38:21
Vegnere, V. 4:195
Velitchkova, M.Y. 27:27, 37:69
Velizarov, S. 39:181, 41:161, 41:213, 46:263, 47:89, 48:177
Venslauskas, M.S. 26:1, 32:221, 32:237
Venturoli, G. 38:25
Verdugo-Diaz, L. 46:297
Vereecken, J. 5:699
Verma, M.S. 43:205
Vermeglio, A. 1:438
Vernazza, G. 4:73, 5:97, 8:387, 9:645
Vernhes, M.-C. 48:17
Verni, E. 14:151
Verreschi, G. 38:255
Veselá, V. 4:399, 4:413
Vetterl, V. 3:338, 4:361, 4:389, 7:517, 12:137, 21:199, 39:119, 46:7
Veyret, B. 30:151, 35:127
Vicente, F. 19:533
Victor, G. 25:91, 25:105
Videla, H.A. 6:185, 6:493, 9:469, 10:239, 16:213
Vidic, J. 39:129, 43:181
Vidugiris, G.-J.A. 15:407, 19:513, 22:9
Vidziunaite, R. 39:139
Vienken, J. 7:553
Vigara, A.J. 38:21
Vignais, P.M. 1:525
Vijayalatha, S. 33:101
Vilche, J.R. 42:187
Vilkov, S.A. 27:49
Villa, V. 19:39
Villalobo, A. 42:207
Villardi, M. 6:289, 7:209
Vincent, J.-C. 10:133, 12:73, 19:247, 20:215, 31:271, 40:239
Vinkler, H. 22:365
Vire, J.-C. 6:147, 12:413
Virgilli, B. 14:145
Vitello, L.B. 21:213
Vitiello, G. 48:339
Viviani, R. 4:73, 8:387, 9:645
Vlachopoulos, N. 26:307
Vladimirov, Yu.A. 22:37
Vodovnik, L. 30:173, 30:209, 30:221, 43:265
Vogel, R. 45:93, 46:59, 46:65, 48:375
Voinova, M.V. 24:143
Vojtisková, M. 7:671, 8:487, 8:497, 12:135
Volke, J. 10:7
Volkov, A.G. 4:68, 4:225, 9:551, 10:477, 10:485, 10:493, 11:167, 12:15, 21:3, 22:91, 26:139, 29:305, 37:55, 38:333, 42:153
Volpe, A. 14:155, 14:179, 14:241
von Ardenne, M. 7:255, 7:685
von dem Bruch, K. 45:17
Vos, A.H.J.A. 17:297
Voytsitsky, V.M. 9:23, 9:31
Volkl, H. 11:365, 17:419
Vrána, O. 19:145
Vrba, J. 48:305
Vredenberg, W.J. 43:41, 44:1, 46:71, 48:141
Vrinceanu, D. 40:167
Vucinic, Z. 7:345
Vuclic, D. 34:19, 39:129, 43:181
Vuillaume, M. 9:103, 9:527, 18:271, 19:541
Vvedensky, V.L. 48:343
Vyklicky, L. 3:582
Vysotskii, V.I. 48:329
Wachal, K. 49:73
Wachtel, E. 45:203
Wagner, A. 16:455
Wagner, J.R. 18:155
Wahlstrom, J. 36:1
Wakabayashi, N. 32:15
Wakamatsu, H. 40:141
Wakao, N. 21:25
Walinska, K. 45:215
Walker, C.F. 14:45
Walker, P. 18:127
Walther, I. 19:173
Walz, D. 28:5, 47:19
Wang, D. 48:171
Wang, E.K. 29:347, 39:267, 43:173
Wang, J. 12:193, 12:225, 14:457, 15:147, 16:395, 19:39, 23:217, 26:287, 27:441, 29:215, 40:41, 45:33, 48:477
Wang, L. 48:369
Wang, L.G. 36:145, 39:275, 42:161
Wang, M. 48:447
Wang, R.H. 44:83
Wang, S. 30:119
Wang, S.Y. 3:41
Wang, W. 48:447
Wang, X. 42:161, 47:175, 48:369
Wang, X.B. 36:115
Wang, Z. 48:227
Wardak, A. 24:1
Warnke, U. 27:317
Wasserthal, L.T. 33:165
Watanabe, F. 8:125
Watson, B. 27:179
Wayner, D.D.M. 18:219
Weaver, J.C. 12:393, 12:405, 15:211, 15:229, 15:243, 20:57, 25:163, 28:235, 39:1, 39:39, 41:135, 46:121, 47:151, 48:181, 49:11
Weaver, J.P. 8:379
Webb, D.J. 13:429
Weber, H. 12:119

Weber, J. 7:61, 21:71
Wecke, P. 27:269
Weetall, H.H. 14:357, 14:367, 44:37
Wefers, H. 18:91
Wei, C. 47:237
Wei, L.X. 29:185
Weidlich, E. 3:139, 3:272
Weiner, S.B. 3:106
Weinstein, A.M. 35:87
Weisbrot, D. 28:311, 31:39, 33:115
Weisbrot, D.R. 31:167
Weisenseel, M.H. 44:261
Weller, K. 11:173, 19:77, 19:95
West, R.W. 34:39, 39:175
White, D. 10:69
Wicher, D. 21:279
Wieczorek, Z. 33:181
Wiggins, P.M. 5:574, 5:582, 6:123, 6:135, 6:323, 14:313, 14:327, 14:339, 17:457, 17:473
Will, H. 1:478
Willaert, F. 39:209
Williams, R.F.X. 10:69
Willner, B. 42:43, 42:95
Willner, I. 29:29, 42:43, 42:95, 44:209
Wilmsen, U. 12:329
Wilson, D.F. 1:3, 13:235, 17:369, 17:383, 18:51
Wilson, G. 1:172
Wilson, G.S. 3:113
Wimmerova, M. 41:173
Wingard, L.B. (Jr.) 6:19, 9:307
Winkel, P. 5:699
Winlove, C.P. 23:203
Winter, S. 48:415
Witt, H.T. 1:407
Wohlwend, B. 44:261
Wojtczak, L. 41:47
Wolf, B. 46:215
Wolf, H. 1:343, 2:293, 6:3, 6:11, 20:45
Wolf, T. 45:27
Wolfe, J. 19:347
Wolff, H.G. 37:47
Wolff, S.P. 18:283
Wolfson, S.K. (Jr.) 1:180, 2:142, 2:348, 3:106, 5:63, 6:19, 7:469, 9:357, 13:15, 22:341, 26:211
Wollenberger, U. 11:307, 26:287, 39:221, 45:227, 47:75
Wong, H.E. 15:371
Wong, J.L. 34:177, 37:141
Woodhead, B. 18:301
Woodward, A. 48:149
Woodward, A.M. 24:83, 25:395, 26:423, 29:205, 40:99, 48:389
Wrezlewicz, W. 5:168
Wright, I. 48:149
Wrona, M. 1:40, 6:243, 6:263
Wrona, M.Z. 7:433, 8:413, 10:169, 10:199, 11:3, 15:257
Wu, D. 47:231
Wu, J.T. 44:151
Wu, K.J. 13:15
Wu, T.M. 41:19
Wu, X. 48:101, 48:227
Wu, Y. 41:217
Wunderlich, S. 10:467, 17:35, 31:193
Wurster, S.H. 42:77
Wylie, I.G.N. 25:269, 28:367
Xavier, I.M. (Jr.) 42:193
Xia, F. 30:111
Xiao, M. 41:161
Xiao, Y.J. 39:125, 40:257
Xiaoli, C. 48:243
Xie, G.Y. 39:125, 40:257
Xie, Y.W. 29:71
Xing, X.K. 17:59
Xinkui, W. 48:243
Xonoglou, N. 12:485, 14:375
Xu, J.J. 44:45
Xu, L.S. 44:301
Xun, J. 39:275
Yabuki, S. 28:489
Yagishita, T. 43:177
Yaguzhinsky, L.S. 4:155, 9:23, 9:31, 10:493, 13:85, 19:499
Yailenko, T.L. 23:271
Yakushina, V.S. 46:267
Yamada, H. 24:347, 29:337, 33:91
Yamagishi, A. 36:101
Yamaguchi, H. 13:373, 32:27
Yamaguchi, T. 20:109
Yamamoto, F. 41:167
Yamamoto, I. 32:277
Yamaoka, K. 16:193
Yamashita, K. 5:650
Yamashita, T. 20:169
Yamauchi, Y. 41:167
Yan, C. 47:237
Yan, J.L. 29:347
Yanagi, Y. 9:313
Yang, J. 48:117
Yang, Y. 26:345, 34:141
Yano, S. 39:89
Yanopolskaya, N.D. 23:271
Yao, S.J. 1:180, 2:142, 2:348, 3:106, 5:63, 6:19, 7:469, 9:357, 13:15, 22:341, 26:211
Yao, S.Z. 44:83
Yaoita, M. 20:169, 22:23
Yaropolov, A.I. 4:314, 5:18, 6:205, 6:393, 10:413, 11:193, 12:267, 23:105, 28:31, 38:401, 40:49, 46:185
Yasuda, Y. 34:135
Yasukouchi, K. 13:373
Yatsimirsky, A.K. 32:35
Yavin, E. 19:557, 22:365
Yoneyama, H. 24:241
Yonezawa, T. 40:141
Yoshida, N. 18:295
Yoshikawa, T. 18:295
Yoshimura, T. 8:275
Yu, H. 47:237, 48:369
Yu, H.Y. 44:227, 44:233
Yu, J.T. 25:131
Yu, L.T. 15:103
Yu, T.Y. 39:303
Yuan, P.M.K. 47:259
Yuan, Z.B. 45:41, 45:123
Zahn, R.K. 17:567
Zakharian, E.G. 39:13
Zakula, R.B. 41:53
Zaludová, R. 4:389
Zambonin, P.G. 5:25, 5:420
Zand, R. 12:467
Zanev, Y. 37:69
Zanforlin, L. 30:303
Zanocco, A. 11:417
Zapalskyte, A.A. 15:407
Zdravkovic, S. 48:325
Zecca, L. 14:39, 14:63
Zekovic, S. 41:53, 48:297
Zeks, B. 13:473, 34:101
Zelent, B. 38:333
Zeller, M.V. 7:469
Zeng, D. 44:301
Zeni, O. 43:77, 43:221
Zeppezauer, M. 13:407
Zetek, J. 21:83
Zewert, T.E. 49:11
Zhang, C.Y. 45:247, 46:145
Zhang, F. 48:87
Zhang, F.Z. 44:301
Zhang, H. 44:83
Zhang, H.G. 19:521
Zhang, J.D. 39:267
Zhang, L. 25:259, 26:87, 28:341, 34:109, 42:283, 48:453
Zhang, R.Q. 45:127
Zhang, X. 48:217
Zhang, X.Y. 27:513
Zhang, X.Z. 40:99
Zhang, Y. 39:125, 40:257
Zhang, Y.F. 43:1
Zhang, Z. 48:227
Zhao, N.M. 40:15, 45:127
Zhao, Z.Q. 45:41
Zhelev, D.V. 17:549, 19:217, 20:155, 26:193
Zhivkov, A. 12:49, 13:453
Zhong, B. 44:285, 45:173, 48:469
Zhong, S.D. 36:161
Zhou, A. 48:369
Zhou, C.L. 34:153
Zhou, H.H. 41:217
Zhou, J.Z. 44:151
Zhou, Y.M. 41:81
Zhu, C.J. 29:347
Zhu, M. 48:369
Zhu, S.M. 44:295
Zhu, Y. 24:23
Zhu, Y.C. 31:301
Zhu, Y.M. 21:233, 26:351, 39:95, 41:107
Zhuang, J.H. 46:193
Zhuo, Y.S. 36:161
Zielinski, J.J. 22:289
Zimmer, H. 38:229
Zimmerman, J.R. 10:499
Zimmermann, U. 3:58, 6:349, 7:553, 7:723, 10:155, 47:103
Zinke, M. 8:189, 19:95
Zinovieva, M. 38:169, 46:55
Zirkel, J. 29:363
Zolzer, F. 27:347
Zrimec, A. 48:481
Zschörnig, O. 12:217
Zucco, F. 14:187
Zuidema, T. 14:479
Zuman, P. 19:29, 28:43, 29:91
Zviman, M. 36:127

Cumulative Indexes of Volumes 1–48: Partially Permuted Index of Title Words and Phrases

ELSEVIER

Cumulative Indexes of Volumes 1–48: Title Word Index (1999) 185–275

BIOELECTROCHEMISTRY AND BIOENERGETICS

www.elsevier.nl/locate/bioecechem

Bioelectrochemistry and Bioenergetics
Cumulative Indexes of Volumes 1–48:
Partially Permuted Index of Title Words and Phrases

The **Partially Permuted Index of Title Words and Phrases** contains as primary terms all relevant words or phrases occurring in the titles of the papers. Attempt has been made toward a formal standardization of the terms (spelling, endings, etc.) in the Index. We also attempted to assign the place of more complex phrases in the alphabetic list of primary terms on the basis of the *most relevant element* of the phrase. For instance, the term Polymer-Modified-Bilayer-Lipid-Membrane can be found under the heading **Bilayer-Lipid-Membrane**| Polymer-Modified-».The original phrase can, thus, be reconstructed by putting the text between the |» characters in front of the **boldface** keyword term.

For primary terms occurring only once, the reference code (volume:page) of the respective *Bioelectrochemistry and Bioenergetics* item is directly given. For primary terms occurring more than once, a list of secondary terms (relevant words or phrases co-occurring with the respective primary term) follows. The codes after the secondary terms indicate items having both the primary and the secondary terms in their title. Secondary terms of all phrases have been left in their original form.

130-Day-Old 10:405
150-MHz-Frequency 27:413
600-780-nm-Region 8:309
Absolute-Method 9:207
Absorbed 4:231
Absorption
• Bovine-Serum-Albumin 23:177
• Conversion 15:457
• Electric-Field 15:457
• Energy 15:457
• Membrane-Bound-ATPase 15:457
• Water/Nitrobenzene-Interface 23:177
Acceleration 6:587
Acceptor
• Identification 14:425
• Lipid-Like 14:425
• Pi-Electron 14:425
• Reaction-Product 14:425
• Simulative-Experiment 14:425
• Spectroelectrochemistry 17:17
• Water-Bounded-Chlorophyll 17:17
Accidental-Exposure 30:319
Accumulation 31:203
Accuracy 36:115
Acer-Pseudoplatanus
• Cytoplasm 4:185
• Direct-Measurement 4:185
• Electric-Characteristics 7:377
• External-Medium 4:185
• Free-Cell 4:185, 7:377
• Plasmolysis 7:377
• Potential-Difference 4:185
• Protoplast 7:377
Acetaminophen 12:193
Acetobacter-Suboxydans-Strain 34:185
Acetone 23:301
Acetylcholine–Acetylcholine-Receptor-Hysteresis 20:45
Acetylcholine-Receptor-Channel
• Fractal-Property 35:81
• Gating 35:81
• Interaction 30:275
• Microwave-Field 30:275, 35:81
ACI-Reductone 7:333
Acid
• Acidic-Condition 24:193
• Araboascorbic-Acid 11:279
• Cyclic-Voltammetry 25:415
• Dissociation-Constant 24:193
• Electrooxidation 11:279
• Gold-Electrode 11:279
• Methyl-Pheophorbide 25:415
• Neutral-Media 11:279
• Pheophytin-Enol-Iminium 25:415
• Photosystem-II 25:415
• Primary-Process 25:415
• Pyrroloquinoline 24:193
• Quinone 24:193
• Reduced-Form 24:193
• Spectroelectrochemical-Titration 25:415
• Voltammetry 24:193
Acid–Base-Energy 23:105
Acid–Base-Equilibria 28:43
Acid–Base-Reaction 38:45
Acid-Medium 12:25
Acid-Phosphatase 27:513
Acid-Solution
• Adatom 14:375
• Anodic-Oxidation 14:375
• Comparative-Study 14:375
• Electrocatalytic-Influence 14:375
• Heavy-Metal 14:375
• Monosaccharide 14:375
• Platinum 14:375
• Polarography 16:193
• Poly-Alpha-D-Glutamic-Acid 16:193
• Underpotential 14:375
Acidic-Condition 24:193
Acidic-Phospholipid
• Lipid/Protein-Ratio 5:369
• Mixed-Film 5:357, 5:369
• Monolayer 5:369
• Myelin 5:357, 5:369
• Protein 5:357, 5:369
• Structural 5:357, 5:369
• Surface-Potential 5:357, 5:369
• Theory 5:357
Acidity 22:187
Acinar-Cell
• Blebbing 26:97
• Cellular-Energy 38:377
• Electropulsation 26:97, 38:377
• Isolated-Rat-Pancreas 26:97
• Membrane-Perforation 26:97, 38:377
• Rat-Pancreas 38:377
• Reversible 26:97, 38:377
Acoustic-Exposure 44:215
Acoustic-Wave 44:83
Acridine-Orange-Stain 8:387
Action-Potential
• Energetic-Change 5:315
• Fixed-Charge 1:217
• Ionic-Phenomena 1:217
• Molecular-Event 5:315
• Theory 1:217
Action-Potential-Generation-Equation 10:87
Activation
• Aerobic-Bacteria 20:249
• ATPase 16:111
• Autoxidation 18:29
• Chloroplast 16:111
• Electrogenic-Proton-Pump 26:223
• Excitation-Inducing-Module 3:214
• Fixed-Charge 3:214
• Functioning 20:249
• Hevea-Brasiliensis-Laticiferous 26:223
• Hyperpolarization 20:249
• H^+-ATPase 20:249
• Inactivation 3:214
• Living-System 18:29
• Magnetic-Field 27:45
• Membrane 20:249
• Metal-Complex 18:29
• Model 20:249
• Oxygen 18:29
• Phagocyte 27:45
• Plasma-Membrane 26:223
• Redox-Chain 20:249
• Regulation 20:249
• Sucrose/H^+-Glucose/H^+-Symport 26:223
• Utilizable-Sugar 20:249
Activation-Energy 23:249
Activation-Kinetics 32:175
Active-Center 33:191
Active-Diaphorase 29:337
Active-Maintenance 7:371
Active-Metabolite 28:443
Active-Oxygen
• Ascorbic-Acid 18:171
• Catalyzed 18:171
• Degraded-Species 18:171
• Detoxication 18:21
• Linoleic-Acid 18:171
• Metal-Complex 18:21
• Peroxidation 18:171
Active-Process 8:709
Active-Pumping 26:251
Active-Site
• Alcohol-Dehydrogenase 13:407
• Electro-Reduction 2:69
• Heme-Containing-Protein 2:69
• Heme-Protein 48:79
• Heterogeneity 48:79

- Horse-Liver 13:407
- Molecular-Oxygen 2:69
- Nernst-Plot 48:79
- Polarography 13:407
- Spectroelectrochemistry 48:79
- Zinc 13:407

Active-Transport
- Activity 31:271, 40:239
- Artificial 12:73
- Cofactor-Shuttle 31:271
- Electron-Driven 31:271, 40:239
- Enzyme 40:239
- Enzyme-Reaction 31:271
- Enzyme-System 12:73
- Evolution 31:271, 40:239
- G3P/DHAP-Shuttle 40:239
- Induction 12:73
- Kinetics 31:271, 40:239
- Model 31:271, 40:239
- NAD 31:271
- NADH 31:271
- Proton-Driven 31:271, 40:239
- Redox-Potential-Gradient 31:271, 40:239
- Redox-Reaction 31:271, 40:239
- Specific-Electric-Signal 12:73

Activity
- Active-Transport 31:271, 40:239
- Cofactor-Shuttle 31:271
- Electron-Driven 31:271, 40:239
- Energy-Dependent 39:161
- Enzyme 40:239
- Enzyme-Reaction 31:271
- Escherichia-Coli 39:161
- Evolution 31:271, 40:239
- G3P/DHAP-Shuttle 40:239
- Glycolysis 39:161
- Kinetics 31:271, 40:239
- Model 31:271, 40:239
- NAD 31:271
- NADH 31:271
- Potassium-Accumulation 39:161
- Potassium-Uptake 39:161
- Proton-Driven 31:271, 40:239
- Redox-Potential-Gradient 31:271, 40:239
- Redox-Reaction 31:271, 40:239
- Trk-Mutant 39:161

Activity |Electromagnetic-Field-Induced-» 44:237

Activity-Coefficient
- Aqueous-Media 39:101
- Bovine-Serum-Albumin 17:489
- Calcium-Chloride 39:101
- Concentrated-Solution 17:489
- Dipalmitoyl-Phosphatidylcholine 39:101
- Magnesium-Chloride 39:101
- Potassium-Salt 17:489

Actomyosin
- ATPase-Induced-Increase 6:323
- Cellular-Work 6:135, 6:323
- Light-Scattering 6:135
- Measurement 6:135
- Microviscosity 6:323
- Performance 6:135, 6:323
- Sarcoplasmic-Reticulum 6:323
- Vesicle-Suspension 6:323
- Water 6:135, 6:323

Acute-Traumatic-Sport-Lesion 14:179

Adaptation 29:185

Adatom 14:375

Addition 46:249

Additive 48:447

Adenine
- Accumulation 31:203
- Adenine-Moiety 5:625
- Adsorption 4:447
- Adsorption-Stage 3:418
- Anodic-Stripping-Voltammetry 31:203
- Classification 48:69
- Coenzyme 14:503
- Copper-Compound 31:203
- Cytidine 4:361
- Cytosine 4:425, 5:239, 48:69
- DNA 4:361
- Electrochemical-Reduction 14:503
- Electron-Affinity 48:69
- Glassy-Carbon-Electrode 31:203
- Guanine 31:203, 48:69
- Half-Wave 48:69
- Initial-Potential 4:361
- Interfacial-Orientation 3:418
- Mercury/Solution-Interface 3:418, 4:447
- Mononucleotide 3:418
- NAD 5:625
- NAD^+ 14:503
- Normal-Pulse-Polarographic-Wave-Height 4:361
- Nucleotide 1:136
- Oligonucleotide 3:418
- Organic-Molecule 48:69
- Participation 14:503
- Polarography 1:136, 4:425, 5:239
- Reduction 5:625, 14:503
- Reduction-Potential 48:69
- Thymine 48:69
- Unbuffered-Dioxane-Solution 1:136
- Uracil 48:69

Adenine |Epsilon-» 16:287

Adenine-Derivative 4:508

Adenine-Moiety 5:625

Adenine–Nicotinamide-Dinucleotide 11:299

Adenine-Nucleotide
- Aggregating-Amoebae 48:149
- Cathodic-Stripping-Voltammetry 12:279
- Cetyltrimethylammonium-Bromide 9:23
- Coenzyme 12:279
- Dictyostelium-Discoideum 48:149
- Dropping-Mercury-Electrode 12:279
- Hydrocarbon/Water-Interface 9:23
- Interaction 9:23
- Mercury-Electrode 15:317
- Model-Reaction 9:23
- NAD 12:279
- Nucleotide 9:23
- Oscillation 48:149
- Polyriboadenylic-Acid 12:279
- Reduction 15:317
- Sorption 9:23
- Weak-Pulsed-Magnetic-Field 48:149

Adenosine
- Adsorption 3:338, 24:179
- Association 24:179
- Charged-Interface 24:179
- Cytidine 8:523
- Cytosine 3:338
- Dinucleotide 24:179
- Electric-Field-Effect 3:338
- Electrochemical-Examination 8:523
- Guanosine 8:523
- Interaction 8:523
- Nucleoside 8:523

Adenosine |Epsilon-» 16:287

Adenylyl-Guanosine 25:145

Adherence 48:317

Adhesiveness
- Absolute-Method 9:207
- Cell-Surface 8:293
- Characterization 9:207
- Electric-Structure 8:293
- Erythrocyte 9:207
- Steric-Structure 8:293
- Tissue-Culture-Cell 9:207

Adipocyte |Intact-» 21:333

Adipose-Tissue 33:61

ADP
- Affinity 24:215
- ATP 36:47
- Catalytic-Nature 36:47
- Charged-Substrate 24:215
- Chloroplast 24:215
- Ionic-Composition 24:215
- Iron(III)-Ion-Catalyzed 36:47
- Iron-Ion 36:47
- Membrane-Bound-ATPase 24:215
- Nonenzymatic-Transformation 36:47
- Surface-Potential 24:215

ADP-Level-Change 46:255

Adrenodoxin 47:75

Adriamycin-Treated 26:177

Adsorbed
- Adsorptive-Transfer-Stripping-Voltammetry 28:71
- Biological-Process 23:81
- Cancerostatic-Actinomycin 36:149
- Carbon-Electrode 19:581
- Catalytic-Hydrogen-Evolution 3:253
- Chlorophyll 7:309, 11:167, 12:15
- Coenzyme 26:307
- Compaction 8:167
- Conformation 1:478
- Current–Potential-Curve 10:377
- Cytochrome 1:478, 45:293
- DNA 8:167, 28:71
- Electrochemical-Property 38:401
- Electrochemical-Transformation 19:581
- Electrode 7:309
- Electrode-Potential 28:71
- Electrode-Surface 8:167
- Electron-Transport 23:81
- Enzyme 38:401
- Flavin 26:307
- Functional-Property 4:490
- Glassy-Carbon-Electrode 45:293
- Glycogen 1:478
- Hemoglobin 19:337
- Hemoprotein 4:490
- Horseradish-Peroxidase 38:401
- Interface 12:15
- Interfacial-Electron-Transfer 26:307
- Ion-Exchange 3:15
- Kinetics 3:15
- Mechanism 12:15
- Mercury-Electrode 1:478, 3:253, 41:115
- Mercury-Surface 28:71
- Methaemoglobin 1:478
- Methylene-Blue 19:337
- Metmyoglobin 1:478
- Model 8:167
- Modified-Electrode 19:337
- Monoclonal-Antibody 38:401
- Number-of-Electroactive-Disulfide-Bond 41:115
- Octane/Water-Interface 11:167
- Oxidation 19:337
- Oxygen-Evolution 11:167
- Paracoccus-Versutus 45:293
- Pheophytin 7:309
- Phosphorylase 1:478
- Photooxidation 12:15
- Photosystem 10:377
- Pi-State 8:167
- Platinized 10:377
- Platinum-Electrode 10:377
- Poly-Electrolyte 8:167
- Poly-L-Lysine 1:478
- Potential 8:167
- Predicting 41:115
- Protein 3:253, 19:581, 41:115
- Protein-Film 3:15
- Pyrolytic-Graphite-Electrode 23:81
- Quasi-Reversible 19:337
- Reduction 19:337
- Riboflavin 26:307
- Solid-Graphite 38:401
- Spectroelectrochemistry 19:337
- Spectroscopy 7:309
- Structure 28:71
- Textured-Titanium-Dioxide-Film 26:307
- Transition-Metal 3:253
- Ubiquinone 23:81
- Voltammetry 36:149
- Water-Sensitized 12:15

Adsorbed-Layer 12:353

Adsorbed-Metal
- Anodic-Oxidation 9:571, 10:251
- Biological-Component 9:571, 10:251
- Catalytic-Oxidation 9:571, 10:251
- Catecholamine 10:251
- Glucose 9:571
- Modified-Platinum-Electrode 9:571, 10:251

Adsorbent 11:245

Adsorption
- 3-Dimensional 29:223
- Adenine 4:447
- Adenine-Derivative 4:508
- Adenine–Nicotinamide-Dinucleotide 11:299
- Adenosine 3:338, 24:179
- Adsorption-Isotherm-Plot 15:103
- Alamethicin 24:129
- Alternating-Current-Voltammetry 29:223

- Aminoacridine 17:277
- Amphiphilic-Ion 23:27
- Anti-Metabolite 9:541
- Association 12:137, 16:485, 24:165, 24:179
- Azauridine 4:389
- Bacteriostatic-Action 9:541
- Bare 24:129
- Bilayer-Lipid-Membrane 23:27, 23:153
- Biosynthetic-Polynucleotide 2:204
- Bipyridyl-Monolayer 14:347
- Bromide-Ion 12:137
- Cadmium-Zinc-Metallothionein 40:223
- Catalytic-Property 10:477
- Charged-Interface 16:485, 24:165, 24:179
- Chloride-Ion 12:137
- Cholate-Anion 29:223
- Comparative-Study 11:299, 24:165
- Complementary 5:635
- Conformation 34:77
- Covered 14:347, 24:129
- Cytidine 16:485
- Cytidine-Diphosphate 16:485
- Cytidine-Monophosphate 16:485
- Cytochrome 6:555, 15:103
- Cytosine 3:338, 12:137
- Dinucleotide 24:179
- Distribution 23:27
- DNA 2:79, 3:241, 4:369, 4:380
- Dopamine 14:389
- Dropping-Mercury-Electrode 2:215, 4:389
- Dynamics 24:13
- Electric-Field-Effect 3:338
- Electric-Potential 23:27
- Electrochemical-Reaction 14:347
- Electrochemically-Pretreated 14:389
- Electrode-Reaction 14:389
- Electrode/Solution-Interface 8:223, 24:13
- Gentamicin 23:153
- Glassy-Carbon-Electrode 5:526, 14:389
- Gold-Electrode 8:125, 8:229
- Graphite-Electrode 8:451
- Graphite-Paste-Electrode 15:103
- Graphite-Powder/Liquid-Interface 15:103
- Hanging-Mercury-Drop-Electrode 2:204
- Human-Fibrinogen 16:27
- Inosine 4:389
- Interfacial-Behavior 9:541
- Iodide-Ion 12:137
- Iron-Coproporphyrin-III-Complex 10:477
- Lewis-Acid 5:526
- Linear-Sweep-Voltammetry 15:103
- Lipidic-Site 17:277
- Liposome 17:277
- Melittin 24:129
- Mercury-Drop-Electrode 46:07
- Mercury-Electrode 2:204, 4:369, 6:555, 12:137, 14:347, 24:129, 40:223
- Mercury-Electrode-Surface 34:77
- Mercury/Electrolyte-Interface 2:79, 3:241, 4:380
- Mercury/Solution-Interface 4:447, 5:635, 9:541, 11:299, 29:223
- Mixture 5:635
- Model 4:380
- NAD 8:229
- NAD^+ 11:299
- Natural-Polynucleotide 2:204
- Non-Complementary 5:635
- Nucleic-Acid-Base 5:635, 8:125
- Nucleoside 8:125
- Nucleotide 8:125
- Octane/Water-Interface 10:477
- Oxidation 5:526
- Oxytocin 2:215
- PABA 9:541
- Para-Aminobenzene-sulfonamide 8:223
- Para-Aminobenzoic-Acid 9:541
- Parallel 15:103
- pH 5:526, 16:485
- Phase-Sensitive 29:223
- Phenyl-Derivative 8:223
- Phospholipid 24:129
- Polarographic-Reduction 4:508
- Polyadenylic-Acid 46:07
- Polyamine 4:369
- Polyriboadenylic-Acid 2:204
- Polyribocytidylic-Acid 34:77
- Protein 8:451, 14:347
- Prothrombin-Fragment 24:13
- Pyridyl-Derivative 8:223
- Reaction 2:79, 2:215
- Reduction 2:204, 3:241, 4:369
- RNAase-A 15:103
- Single-Stranded-Double-Helix 46:07
- Specular-Reflectivity-Measurement 8:125
- Structural 24:13
- Structural-Effect 8:125
- Surface-Charge-Density 17:277
- Surface-Energy-Controlled-Substrata 16:27
- Temperature-Dependence 2:79
- Thymidine 24:165
- Thymine 24:165
- Voltammetry 14:389, 34:77, 40:223
- Xanthosine 4:389

Adsorption |DNA-Induced-» 11:245
Adsorption |Matrix-Controlled-» 12:375
Adsorption-Behavior
- Cyclic-Voltammetry 40:35
- Electro-Optical-Technique 9:499
- Electron-Transport-Chain 9:499
- Hydrophobicity 40:35
- Polarity 40:35
- Quartz-Crystal-Microbalance 40:35
- Redox-Behavior 9:499
- Redox-Coenzyme 9:499
- Self-Assembled-Thiol-Monolayer 40:35
- Serum-Albumin 40:35

Adsorption-Isotherm-Plot 15:103
Adsorption-Layer 6:155
Adsorption-Stage
- Adenine 3:418
- Association 8:671, 11:457, 12:205
- Charged-Interface 8:671, 11:457, 12:205
- Guanosine 8:671
- Interfacial-Orientation 3:418
- Mercury/Solution-Interface 3:418
- Methylguanosine 11:457, 12:205
- Mononucleotide 3:418
- Oligonucleotide 3:418
- Solution 8:671, 11:457, 12:205
- Varying-pH 8:671, 11:457, 12:205

Aerobic-Bacteria 20:249
Aerobic-Bacterium |Obligately-» 26:423
Aerobically-Grown-Cell 15:417
Affinity
- ADP 24:215
- Biosensor 47:47
- Charged-Substrate 24:215
- Chloroplast 24:215
- Dynamics 47:47
- Ionic-Composition 24:215
- Membrane-Bound-ATPase 24:215
- Physical-Property 47:47
- Solid-Supported-Lipid-Membrane 47:47
- Structure 47:47
- Surface-Potential 24:215

Agar-Gel 39:285
Agar-Layer 43:71
Aggregated-Particle 31:115
Aggregation
- Acetone 23:301
- Chlorophyll 23:301
- Erythrocyte 36:161
- Excitation 23:301
- Fluorescence 23:301
- Impedance 36:161
- Piezoelectric-Crystal-Sensor 36:161
- Polarography 23:301
- Sedimentation 36:161
- Trace-Amount 23:301
- Water 23:301
- Wavelength-Selected 23:301

AIDS-Dementia
- Analog 33:171
- Azido-Deoxythymidine 33:171
- Dideoxycytidine 39:263
- Dihydropyridine-Derivative 39:263
- Laser-Flash-Photolysis 39:263
- Pyridine 33:171
- Reaction-Intermediate 39:263

Air-Saturated-Solution 6:427
Alamethicin
- Adsorption 24:129
- Bare 24:129
- Covered 24:129, 28:85
- Interaction 28:85
- Ion-Release 24:323
- Large-Unilamellar-Vesicle 24:323
- Melittin 24:129, 24:323, 28:85
- Mercury-Electrode 24:129
- Mercury-Electrode-Surface 28:85
- Phospholipid 24:129
- Protein-Kinase-C 28:85
- Pure-Phospholipid-Monolayer 28:85

Albumin 16:471
Albumin-Adsorption 25:241
Alcaligenes-Eutrophus 28:473
Alcohol-Containing 18:163
Alcohol-Dehydrogenase
- Active-Site 13:407
- Bakers-Yeast 43:157
- Horse-Liver 13:407, 43:157
- Metal-Dithiolene 43:157
- Polarography 9:333, 13:407
- Zinc 13:407
- Zinc-Binding 9:333
- Zinc-Center 43:157

Alcohol-Fuel 14:357
Aldehyde 18:187
Alga-Suspension 9:509
Alkali-Cation 45:17
Alkali-System 15:113
Alkaline-Earth-Ion
- Cysteine-Containing-Dipeptide-Monolayer 39:135
- Electropermeation 46:293
- Extracellular-Alkali-Ion 46:293
- Glutathione 29:113
- Gold-Electrode 29:113, 39:135
- Ion-Gate-Response 29:113, 39:135
- Monolayer-Assembly 29:113
- Saccharomyces-Cerevisiae 46:293

Alkaline-Phosphatase
- Amperometric-Sensor 27:73
- Catechol-Phosphate 10:427
- Ceruloplasmin 15:407
- Electrocatalytic-Oxidation 10:427
- Electrochemical-Conversion 15:407
- Electrochemical-Regulation 16:205
- Immobilized 10:427, 16:205
- Lactoperoxidase 15:407
- Mercury-Electrode 15:407

Alkaline-Phosphate-Solution 13:343
Alkalization 9:509
Alkane-Thiol 36:73
Alkanethiol 46:193
Alkyl-Chain-Length 46:193
Alkylating-Agent 15:305
Allantochorial-Placental-Vessel |Human-»
- Calcium-Channel 48:407
- External-Potassium 45:131
- Membrane-Potential 39:203, 45:131, 48:407
- Potassium-Channel 48:407
- Smooth-Muscle-Cell 39:203, 45:131, 48:407

Allosteric-Property 1:67
Alpha-Alanine 25:269
Alpha-Amylase-Assay 24:365
Alpha-Cyclodextrin-Phospholipid 33:95
Alpha-Galactosyl 38:85
Alpha-Helix
- Amide-I 41:93
- Bound-State 41:93

- Intramembrane-Electric-Field 24:113
- Photosynthetic-Reaction-Center 24:113
- Protein 24:113
- Quanta 41:93
- Single-Charge 24:113

Alpha-Ketoacid 28:43
Alpha-Latrotoxin 17:361
Alpha-Thrombin-Activity 38:105
Alpha-Tocopherol 33:61
Alternating-Current
- Dehydrogenase-System 28:341
- Electrostimulation 28:341
- Enzyme-System 10:133
- Function 22:313
- Ion-Activation 24:51
- Memory 10:133
- Monitoring 10:133
- Monostable-System 10:133
- Multistable-System 10:133
- Na-K-ATPase 22:313, 24:51
- Yeast 28:341

Alternating-Current-Field
- Amplitude 44:95
- Growth-Stimulation 44:95
- H^+-ATPase 37:153
- Inhibition 37:153
- Low-Frequency 44:95
- Mammalian-Cell 17:287
- Plasma-Membrane 44:95
- Pollen-Tube 44:95
- Proton-Pump 44:95
- Stimulation 44:95

Alternating-Current-Impedance
- Calcium-Induced-Ion-Channel 45:173
- Conducting-Mechanism 48:469
- Cyclic-Voltammetry 45:173, 48:469
- Lipid-Impregnated 38:343
- Membrane-Filter 38:343
- Platinum-Bimolecular-Lipid-Membrane 45:173
- Structural-Disorder 48:469
- Time-Dependent 38:343
- Unmodified-Supported-Thiol-Lipid-Bilayer 48:469
- Variation 38:343

Aluminum-Electrode
- Anomalous-Heating 39:39
- Electric-Field 39:39
- Electroporation 39:39
- Electrotransfection 47:103
- Experiment 39:39
- Exponential-Pulse 39:39
- High-Efficiency 47:103
- Microsecond-Controlled-Pulse 47:103

Alzheimer's-Disease 28:127
Ambazone 27:221
Amide-I 41:93
Amiloride 13:39
Amine 12:63
Amino-Acid
- Chemically-Modified-Carbon-Paste-Electrode 31:229
- Complex-Formation 19:513
- Copper 11:129
- Copper-Cyclohexylbutyrate 31:229
- Correlation 44:23
- Electric-Property 2:154, 44:23
- Excited-$NADP^+$ 25:371
- Genetic-Code 44:23
- One-Electron-Reduction 25:371
- Optical-Property 2:154
- Polarography 11:129
- Protein 2:154, 19:513
- Quinone-Complex 2:154
- Silver 19:513
- Structure 44:23
- Ternary-Complex 11:129

Amino-Acid-Transport
- Enantiomeric-Resolution 20:109
- Mechanism 20:109
- S37-Cell 12:37
- Sodium-Dependence 12:37
- Supported-Liquid-Membrane 20:109

Amino-Acid-Transport-System 12:467
Amino-Acid-Urea-Sensor 27:199
Amino-Hydroxy-Pyrimidinedione 9:313
Amino-Oxidase 25:307
Aminoacridine 17:277
Aminobutyric-Acid 28:367
Aminothiol
- Dielectric-Study 21:87
- Dipalmitoyl-Phosphatidylcholine 21:87
- DNA 21:87
- Interaction 21:87
- Radioprotector 16:427
- Spectrophotometry 21:87

Ammonia 6:205
Ammonia-Sensor 44:83
Amnion |Human-»
- Amiloride 13:39
- Cellular-Shunt 13:39
- Conductance 13:39
- DNP 13:39
- Epithelial-Cell 24:361
- Fructose 13:39
- Membrane 15:427, 24:361
- Ouabain 13:39
- Sodium-Hydrogen-Antiport 24:361
- Sodium-Potassium-Chloride-Cotransport 24:361

Amnion |Isolated-Human-»
- Conductance 15:431
- Electrophysiology 15:383
- External-Anion 15:431
- Ion-Transport 11:389, 15:383
- pH 11:389
- Polyvalent-Cation 11:389
- Substitution 15:431
- Temperature-Effect 15:383

Amnion-Membrane |Human-Term-Placental-» 48:431
Amniotic-Cell |Human-» 36:01
Amniotic-Membrane 9:517
Amoebae |Aggregating-» 48:149
Amoxycillin
- Electroactive-Metabolite 11:417
- Glutathione 20:125
- Interaction 20:125
- Microcalorimetry 20:125
- Polarography 20:125

Amperometric-Assay 36:157
Amperometric-Biosensor
- Amino-Oxidase 25:307
- Biocatalytic-Electrode 27:441
- Carbon-Paste 34:123
- Cinnamic-Acid 27:441
- Cytochrome 34:123
- Disturbing 32:145
- Electric-Contact 42:95
- Enzyme 34:123
- Enzyme-Electrode 42:95
- Lipid 34:123
- Long-Term-Measurement 32:145
- Molecular-Recognition 45:27
- Polyamine 25:307
- Real-Time-Analysis 45:27
- Redox-Electrode 42:95
- Signal-Stability 32:145
- Spinach-Based 27:441

Amperometric-Biosensor |Reagentless-» 42:01
Amperometric-Biosensor |Third-Generation-» 29:159
Amperometric-Detection 45:221
Amperometric-Immunoassay 17:89
Amperometric-Sensor
- Alkaline-Phosphatase 27:73
- Composite-Membrane 39:303
- Construction 31:147
- Diphenol 31:147
- Direct-Measurement 33:165
- Glucose 39:303
- Glucose-Oxidase 39:303
- Immobilization 39:303
- Lepidopterous-Pupae 33:165
- Melanoma-Cell 43:19
- Miniaturized 33:165
- Nitric-Oxide 43:19
- NO-Production 43:19
- Oxygen 33:165
- Phenol 31:147
- Poly-Vinyl-Alcohol 39:303
- Regenerated-Silk-Fibroin 39:303
- Strategy 31:147
- Tracheal-System 33:165
- Tyrosinase-Based 31:147

Amperometry
- Bacteria 16:05
- Biotin-Aza-Crown-6 28:459
- Calculation 13:199
- Calibration-Graph 13:199
- Chattonella-Antiqua 29:143
- Cholesterol 11:307
- Detector 13:199
- Electrode 11:307
- Enzyme 11:307
- Enzyme-Reactor 13:199
- Femto-Ampere-Sensitivity 41:201
- Flow-Injection-Analysis 13:199
- Glucose-Conversion 11:155
- Glucose-Oxidase 11:155
- Glucose-Oxidase-Electrode 28:387
- Immobilized 16:05
- Immobilized-Dehydrogenase 13:199
- Immuno-Ion-Selective-Electrode 28:459
- Ionophore 28:459
- Kinetic-Model 16:05
- Measurement 13:199
- Membrane-Electrode 11:155
- Mutarotase 11:155
- NADH 13:199
- Phytoplankton 29:143
- Selective-Electrode 16:05
- Sequence 11:307
- Single-Phagocyte 41:201
- Superoxide-Anion 29:143, 41:201

Amperometry |Mediated-» 24:365
Amphibian 13:429
Amphiphile 22:45
Amphiphilic-Drug 23:17
Amphiphilic-Ion 23:27
Amphiphilic-Molecule 39:227
Amphiphilic-Polypeptide 34:01
Ampicillin
- Alternating-Current-Polarography 11:265
- Electrochemical-Evidence 10:395
- Glutathione 10:395, 11:265
- Interaction 10:395, 11:265

Amplification 36:157
Amplitude
- Alternating-Current-Field 44:95
- Cell-Response 33:19
- Correlation 33:19
- Electric-Field 33:19
- Electromagnetic-Field 30:189
- Fluctuation 33:19
- Growth-Stimulation 44:95
- Low-Frequency 44:95
- Magnetic-Field 33:19
- Plasma-Membrane 33:19, 44:95
- Pollen-Tube 44:95
- Proton-Pump 44:95
- Quail-Embryo 30:189
- Stimulation 44:95

Ampullosporin 44:155
Anabaena 38:57
Anaerobic-Growing 43:129
Anaerobically-Grown-Bacteria 33:01
Anaerobically-Grown-Cell
- Aerobically-Grown-Cell 15:417
- Characteristics 39:13
- Comparison 39:13
- Complex 27:367
- Energy-Dependent 15:417, 27:367, 39:13
- Escherichia-Coli 15:417, 27:367, 39:13
- Glycolysis 39:13
- H^+-ATPase 27:367
- Interaction 27:367
- Nitrate/Nitrite-Respiration 39:13
- Potassium-Accumulation 15:417, 27:367, 39:13
- Potassium-Uptake 39:13
- Respiratory-Chain 39:13
- Trk-Protein 27:367
- Trk-System 15:417

Anaesthetic-Agent 47:89
Analog
- AIDS-Dementia 33:171
- Artificial-Membrane 9:79
- Azido-Deoxythymidine 33:171
- Bilayer-Lipid-Membrane 42:123
- Chemiluminescence 41:205
- Chlorophyll 9:79
- Coenzyme 33:181
- Cypridina 41:205

- Electrochemical-Spectroscopy 33:181
- Electrogeneration 41:205
- Interaction 42:123
- Ion-Release 29:315
- Liposome 9:79, 42:123
- Luciferin 41:205
- Methylguanine 33:181
- NAD^+ 33:181
- Neuropeptide 42:123
- Pardaxin 29:315
- Photo-Electrochemical-Cell 8:691
- Photo-Electrochemical-Property 9:79
- Polycrystalline-Chlorophyll-Alpha 8:691
- Pyridine 33:171
- Redox-Transformation 33:181
- Spectral-Property 9:79
- Superoxide-Ion 41:205
- Vesicle 29:315

Analogy 1:313

Analytical-Application
- Azido-Nucleoside 26:441
- Conducting-Organic-Polymer-Electrode 38:229
- Electrocatalysis 38:229
- Electrochemical-Reduction 26:441
- Mechanism 26:441
- Neurotransmitter 38:229
- Synthetic-Application 26:441

Analytical-Performance 4:257

Analytical-Problem 20:01

Analytical-Purpose 2:251

Analytical-Representation 7:757

Analytical-Tool 48:389

Anchorage-Dependent-Strain 19:49

Anchorage-Independent
- 60-Hz-Magnetic-Field 34:39, 39:175
- Audiofrequency-Dielectric-Behavior 20:83
- Cell-Growth 34:39, 39:175
- Enhancement 34:39
- Flux-Density 39:175
- Mouse-LS-Fibroblast 20:83
- Radiofrequency-Dielectric-Behavior 20:83

Anhydrous-Acetonitrile 17:339

Animal-Brain 48:223

Animal-Cell
- Cell-Surface 6:543
- Distribution 6:543
- Electric-Potential 6:543
- Electrokinetic-Property 6:543
- Electrophoresis 6:543
- Electroporation 17:253
- Electrotransfection 17:253
- Gene-Transfer 17:253
- Strain-Improvement 17:253
- Surface-Coat 6:543

Animal-Organ-Weight 14:45

Animal-Species 1:259

Anion 46:15

Anion-Channel
|Reconstituted-» 44:183

Anion-Equilibration 15:67

Anion-Exchange 23:337

Anion-Response 9:733

Anisotropy 38:117

Anodic-Oxidation
- Acid-Solution 14:375
- Adatom 14:375
- Adsorbed-Metal 9:571, 10:251
- Biological-Component 9:571, 10:251
- Catalytic-Oxidation 9:571, 10:251
- Catecholamine 10:251
- Comparative-Study 14:375
- Electrocatalytic-Influence 14:375
- Glucose 9:571
- Heavy-Metal 14:375
- Modified-Platinum-Electrode 9:571, 10:251
- Monosaccharide 14:375
- Platinum 14:375
- Underpotential 14:375

Anomalous-Behaviour 5:776

Anomalous-Heating 39:39

Anoxia
|Field-Induced-» 48:209

Anthracycline 16:135

Anthracycline-Antibiotics 8:537

Anthraquinone 12:147

Anti-Metabolite 9:541

Antibacterial-Effect 22:331

Antibiotic-Peptide 32:295

Antibiotics
- Antibacterial-Effect 22:331
- Aqueous-Biological-Media 38:91
- Beta-Lactam 17:43, 22:331
- Cephalosporin 38:91
- Comparison 21:161
- Direct-Electric-Current 30:173
- Electrochemical-Classification 22:331
- Escherichia-Coli 22:331
- Experiment 17:43
- Gram-Positive 21:161
- Helioferin 39:295
- In-Vitro 21:161
- Lipoic-Acid 17:43, 21:161
- Lipophilic 39:295
- Macrolide 21:161
- Microbe-Growth 30:173
- Microbial-Culture 17:43
- Modeling 17:43
- Modified-Carbon-Paste-Electrode 38:91
- Mycogone-Rosea 39:295
- Organism 21:161
- Pamamycin 39:295
- Potential-Time-Signal 17:43
- Potentiometry 17:43, 21:161
- Protonophoric-Activity 39:295
- Reduction 17:43
- Streptomyces-Aurantiacus 39:295
- Susceptibility 21:161, 30:173
- Tertiary-Amine 39:295

Antibiotics |15-Membered-Peptaibol-Type-» 44:155

Antibiotics
|Anthracyclinic-» 34:45

Antibiotics
|Lipopeptide-» 36:57

Anticancer 47:259

Antiinflammatory 24:155

Antileukemic-Agent 39:241

Antimycobacterial-Agent-Activity 21:269

Antineoplastic 27:221

Antineoplastic-Agent 28:417

Antineoplastic-Drug 44:51

Antioxidant 18:219

Antioxidative 18:231

Antitumor 38:203

Antitumor-Activity 5:741

Antitumor-Antibiotics 17:81

Antitumor-Drug
- Cisplatin 21:199
- Complex 19:145, 21:199
- Daunomycin 45:33
- DNA 19:145, 45:33
- Interaction 45:33
- Interfacial-Behavior 21:199
- Mercury/Solution-Interface 21:199
- Platinum 19:145
- Solution 45:33
- Surface 45:33
- Trideoxyribonucleotide 21:199

Antitumor-Effect 35:23

Antitumor-Effectiveness 43:279

Antiulcer-Action 28:443

Apoenzyme-Signal 36:157

Apomembrane
- Electric-Light-Scattering 28:451
- Sodium-Borohydride 22:105

Approximation 6:53

Aprotic-Solvent 31:289

Aqueous-Acid-Media 7:333

Aqueous-Biological-Media
- Antibiotics 38:91
- Cephalosporin 38:91
- Cephradine 33:201
- Folic-Acid 27:465
- Modified-Carbon-Paste-Electrode 27:465, 38:91
- Palmitic-Acid 27:465
- Polarographic-Determination 33:201
- Stearic-Acid 27:465
- Vitamin-B9 27:465

Aqueous-Electrolyte-Solution 38:191

Aqueous-Media
- Activity-Coefficient 39:101
- Biological-Media 26:485
- Calcium-Chloride 39:101
- Cathodic-Stripping-Voltammetry 26:485
- Ceftriaxone 26:485
- Cephalosporin-Antibiotics 26:485
- Dipalmitoyl-Phosphatidylcholine 39:101
- Electrochemical-Reduction 16:287
- Epsilon-Adenine 16:287
- Epsilon-Adenosine 16:287
- Epsilon-NAD^+ 16:287
- Magnesium-Chloride 39:101
- Mercury-Electrode 26:485
- Stabilization 19:161
- Superoxide-Ion 19:161
- Tryptophan 19:161

Aqueous-Solution
- Absorbed 4:231
- Acid–Base-Equilibria 28:43
- Alcohol-Containing 18:163
- Alpha-Ketoacid 28:43
- Apparent-Equilibrium-Constant 9:219
- Ascorbic-Acid 18:163
- Calorimetry 9:219
- Chemical-Oxidation 1:96
- Chemical-Reduction 18:13
- Cyclic-Voltammetry 5:264
- Cytidine 16:449
- Dissolved-Oxygen 18:13
- DNA 18:147
- Ehrlich-Ascite-Tumor-Cell 5:264
- Electrochemical-Oxidation 1:96
- Electrochemical-Property 11:105
- Electrochemical-Reduction 18:13
- Electrokinetics 4:231
- Ferriprotoporphyrin 5:661
- Flavin 11:105
- Hetero-Association 16:449
- Hydration–Dehydration-Equilibria 28:43
- Inorganic-Ion 3:284
- Interaction 4:231
- Ion-Pair-Formation 19:29
- Keto–Enol-Equilibria 28:43
- Linear-Sweep-Voltammetry 28:43
- Linoleic-Acid 18:163
- Lipid-Layer 4:231
- Magnesium-Ion 8:137
- Methoxy-Benzoquinone 19:521
- Methylation 16:449
- Model-Compound 1:96
- Mouse 5:264
- NADH 1:96
- Palmitoyl-Derivative 18:163
- Peroxidation 18:163
- Peroxyl-Radical 18:147
- Polarography 13:385, 19:29, 28:43
- Polynucleotide 18:147
- Preparation 4:231
- Protein 3:284
- Pyruvate-Anion 19:29
- Quinone 5:264
- Quinone-Compound 5:264
- Reaction 18:147
- Reaction-Kinetics 5:264
- Redox-Property 5:661, 9:167
- Redox-Reaction 6:405
- Riboflavin 6:405
- Ring-Disc-Electrode 3:284
- Self-Association 16:449
- Self-Stacking 9:219
- Short-Controlled-Drop-Time 13:385
- Spectroscopy 28:43
- Structure 4:231
- Structure-Breaking-Ion 8:137
- Structure-Promoting-Ion 8:137
- Sulphur-Containing-Compound 3:284
- Superoxide-Dismutase 13:385
- Superoxide-Ion-Dismutation 13:385
- Thermodynamic-Parameter 6:405
- Thiol-Disulphide 3:284
- Thiol-Ester 3:284
- Ubiquinone 9:167

Aqueous-Solution/Liquid-Membrane-Interface 1:329

Aqueous-Solvent 5:276

Araboascorbic-Acid 11:279

Arbitrarily-Shaped 40:167

Arbitrary-Number
- Bilayer-Lipid-Membrane 6:81
- Defect 6:81
- Electric-Breakdown 6:81
- Electrorotation 31:131
- Ellipsoidal-Cell 31:131
- Kinetic-Stage 6:81

• Membrane 6:81
• Nonspherical-Cell 31:131
• Shell 31:131
• Theory 31:131
Architecture 47:333
Aromatic-Amino-Acid 8:569
Aromatic-Compound 26:277
Artesunate 44:295
Articular-Chondrocyte-Explant |Bovine-» 44:127
Artificial
• Active-Transport 12:73
• Chlorophyll 38:333
• Current-Induced-Voltage-Response 32:45
• Electron-Receptor 32:45
• Enzyme-System 12:73
• Green-Alga 32:45
• Hydrodictyon-Reticulatum 32:45
• Induction 12:73
• Light-Energy-Conversion 38:333
• Membrane 32:45
• Monolayer 38:333
• Nonlinearity 32:45
• Optically-Transparent 38:333
• Pheophytin 38:333
• Photosynthesis 38:333
• Specific-Electric-Signal 12:73
• Tin-Dioxide-Electrode 38:333
Artificial-Bilayer-Membrane 44:155
Artificial-Membrane
• Activation-Kinetics 32:175
• Analog 9:79
• Chlorophyll 9:79
• Colicin 32:175
• Incorporation 32:175
• Liposome 9:79
• Markov-Fractal-Model 32:175
• Photo-Electrochemical-Property 9:79
• Spectral-Property 9:79
Ascite 10:75
Ascorbic-Acid
• Active-Oxygen 18:171
• Alcohol-Containing 18:163
• Alpha-Galactosyl 38:85
• Aqueous-Solution 18:163
• Beta-Galactosyl 38:85
• Catalyzed 18:171
• Comparative-Study 14:469
• Degraded-Species 18:171
• Dihydroxyfumaric-Acid 14:469
• Diketogulono-Delta-Lactone 25:121
• Dopamine 38:405
• Electrochemical-Sensing 38:405
• Endiol-Form 25:121
• Glucoside 32:277
• In-Vitro 38:405
• Intermediate 32:277
• Linoleic-Acid 18:163, 18:171
• Mercury-Electrode 14:469
• Neutral-Buffer-Solution 25:121
• Neutral-Media 14:469
• Oxidation 32:277
• Oxidized-Intermediate 38:85
• Palmitoyl-Derivative 18:163
• Peroxidation 18:163, 18:171
• Polarography 25:121
• Pulse-Radiolysis 32:277, 38:85
Asparagine-212 33:151
Aspartate-212 33:151
Association
• Adenosine 24:179
• Adsorption 12:137, 16:485, 24:165, 24:179
• Adsorption-Stage 8:671, 11:457, 12:205
• Alpha-Cyclodextrin-Phospholipid 33:95
• Bromide-Ion 12:137
• Charged-Interface 8:671, 11:457, 12:205, 16:485, 24:165, 24:179
• Chloride-Ion 12:137
• Comparative-Study 24:165
• Cytidine 16:485
• Cytidine-Diphosphate 16:485
• Cytidine-Monophosphate 16:485
• Cytosine 12:137
• Dinucleotide 24:179
• DNA 1:459
• Guanosine 8:671
• Iodide-Ion 12:137
• Membrane-System 10:315
• Mercury-Electrode 12:137
• Mercury/Electrolyte-Interface 1:459
• Methylguanosine 11:457, 12:205
• Nuclear-Magnetic-Resonance 33:95
• pH 16:485
• Polar-Head-Group 33:95
• Solution 8:671, 11:457, 12:205
• Thymidine 24:165
• Thymine 24:165
• Varying-pH 8:671, 11:457, 12:205
Association-Constant 9:489
Astrocytoma-Cell-Line |Human-» 43:13
Asymmetric-Distribution 32:249
Asymmetric-Membrane 15:477
Asymmetric-Potential 2:314
Asymmetric-Reduction 7:693
Atomic-Absorption |K^+-» 33:83
Atomic-Force-Microscopy
• Aqueous-Electrolyte-Solution 38:191
• Biological-Activity 38:137
• Component 38:137
• Fusion 38:137
• Incorporated 38:137
• Liposome 38:137
• Measurement 38:191
• Proteoliposome 38:137
• Quartz-Crystal-Microbalance 38:137
• Solid-Substrate 38:137
• Surface-Force 38:191
• Surface-Plasmon-Resonance 38:137
ATP
• ADP 36:47
• Binding 2:321
• Catalytic-Nature 36:47
• Darkness 9:157
• Equilibrium 2:321
• Iron(III)-Ion-Catalyzed 36:47
• Iron-Ion 36:47
• Nickel 2:321
• Nonenzymatic-Transformation 36:47
• Polarographic-Determination 2:321
• Rate-Constant 2:321
• Redox-Potential-Dependent 9:157
• Spinach-Chloroplast 9:157
• Synthesis 9:157
ATP-Content 35:53
ATP-Hydrolysis 7:353
ATP-Level-Change 46:255
ATP-Magnesium-Salt 9:31
ATP-Production
• Chemical-Coupling 9:299, 12:167
• Comparison 9:299
• Electrochemical-Data 9:299
• Energetics 9:299
• Oxygen 12:167
• Oxygen-Reduction 9:299
• Reduction 12:167
ATP-Pump 19:21
ATP-Synthase 38:45
ATP-Synthase-Complex 17:147
ATP-Synthesis
• ATPase 16:167
• Comparison 16:167
• Complexity 16:167
• Efficiency 16:167
• Energetics 24:335
• Energy-Dependent 9:459
• Escherichia-Coli 9:459
• Hydration-Number 5:37
• Hydrogen-Potassium-Exchange 9:459
• Mechanism 9:459
• Membrane 5:37
• OH-Radical 22:323
• Oxygen-Radical 22:323
• Phenazine-Mediated 22:323
• Potassium-Accumulation 9:459
• Proteoliposome 16:167
• Proton 5:37
• Reversal 9:459
• Spinach-Chloroplast 22:323
• Thermodynamic-Implication 5:37
• Toxicity 22:323
ATP-Synthetase 32:155
ATPase
• Activation 16:111
• ATP-Synthesis 16:167
• ATP-Synthetase 32:155
• Calmodulin-Antagonist 16:519
• Chloroplast 16:111
• Comparison 16:167, 16:519
• Complexity 16:167
• Coupling 42:241
• Efficiency 16:167
• Electrochemical-Process 42:241
• Ethidium 16:519
• Incorporated 42:241
• Interaction 16:519
• Low-Power-Laser 32:155
• Miconazole 16:519
• Myosin 32:155
• Plasmamembrane 16:519
• Potassium-Efflux 16:519
• Proteoliposome 16:167
• Proton-Translocation 42:241
• Pulsed-Electromagnetic-Field 32:155
• Strontium-Uptake 16:519
• Supported-Lipid-Bilayer 42:241
• Yeast 16:519
ATPase |Membrane-Bound-»
• Absorption 15:457
• ADP 24:215
• Affinity 24:215
• Charged-Substrate 24:215
• Chloroplast 24:215
• Conversion 15:457
• Electric-Field 15:457
• Energy 15:457
• Ionic-Composition 24:215
• Surface-Potential 24:215
ATPase-Induced-Increase 6:323
ATR-IR-Spectroscopy 47:39
Atrazin 31:179
Audiofrequency-Dielectric-Behavior 20:83
Audiofrequency-Dielectric-Property 47:325
Augmented-Transcription 25:383
Aurantimycin 36:57
Automatic-Online-Measurement 17:399
Autoxidation
• Activation 18:29
• Diabetes 18:283
• Enzyme-Activity 45:41
• Living-System 18:29
• Mechanism 45:41
• Metal-Complex 18:29
• Model-Reaction 18:283
• Monosaccharide 18:283
• Nucleotide 18:283
• Oxidative-Stress 18:283
• Oxygen 18:29
• Protein 18:283
• Pyrogallol 45:41
• Superoxide-Dismutase 45:41
Avarone 26:457
Avidin 41:167
Avidin–Biotin-Binding 33:205
Avidin–Biotin-Interaction
• Bacterial-Photosynthetic-Membrane 41:127
• Immobilized 41:127
• Iodoacetyl-Biotinylhexylenediamine 39:309
• Multilayer 41:127
• Orientation 41:127
• Polycrystalline-Gold-Electrode 22:159
• Preparation 41:127
• Solid-Surface 41:127
Axial-Coordination 1:108
Axially-Symmetrical-Pore 33:25
Axon-Membrane 5:204
Axon-System 5:754
Azaheme 46:175
Azauridine 4:389
Azide
• Binding 17:369
• Cytochrome 17:369
• Cytochrome-Oxidase 17:369, 17:383
• Interaction-Site 17:383
• Oxidation-Reduction 17:369
• Pigeon-Breast-Muscle 17:383
• Spectral-Property 17:369
• Submitochondrial-Particle 17:383
Azido-Deoxythymidine 33:171
Azido-Nucleoside 26:441
Azotobacter-Vinelandii

- Bacterial-Ferritin 44:301, 48:87
- H_2-Uptake 48:87
- Heme 48:87
- Spectroelectrochemistry 44:301

Aztreonam 45:281
Bacillus-Cereus 7:659
Bacillus-Stearothermophilus |Purified-» 24:347
Bacillus-Subtilis 43:123
Bacillus-Thuringiensis 11:181
Background-Technique 42:77
Bacteria
- Amperometry 16:05
- Buffer 4:117
- Cell-Membrane 22:271
- Co-Stressing-Factor 40:21
- Comparison 24:203
- Construction 13:231
- DNA-Concentration 40:233
- DNA-Transfer 22:271
- Electroadsorption 11:347, 17:175
- Electrokinetic-Property 4:117
- Electrotransformation 40:233
- Extremely-Low-Frequency-Electromagnetic-Field 40:21
- Immobilized 16:05
- Inorganic-Cation 4:117
- Kinetic-Model 16:05
- Model 40:233
- Nonuniform-Alternating-Electric-Field 24:203
- Organic-Cation 4:117
- Plasmid 40:233
- Porous-Carbon-Electrode 11:347, 17:175
- Porous-Graphite-Electrode 17:175
- Proton–Potassium-Antiport 13:231
- Quantitative-Relationship 40:233
- Removal 11:347
- Selective-Electrode 16:05
- Statistical-Evaluation 40:233
- Water 11:347
- Yeast 24:203

Bacterial-Activity 9:699
Bacterial-Bioluminescence 46:227
Bacterial-Cell
- Cadmium 34:53
- Culture-Media 45:93
- Depletion 48:375
- Generation 48:375
- Interaction 34:53, 45:93
- Low-Level-Chemiluminescence 48:375
- Microbiological-Growth 48:375
- Model 48:375
- Voltammetry 34:53
- Weak-Light-Emission 45:93

Bacterial-Chromatophore 11:405
Bacterial-Culture
- Bacteriophage 46:59
- Cell-Membrane 46:65
- Chemiluminescence 46:59, 46:65
- Mass-Lysis 46:59
- Pattern 46:59

Bacterial-Electrode 21:223
Bacterial-Ferredoxin 12:509
Bacterial-Ferritin
- Azotobacter-Vinelandii 44:301, 48:87
- H_2-Uptake 48:87
- Heme 48:87
- Spectroelectrochemistry 44:301

Bacterial-Flagellar-Motor 47:19
Bacterial-Growth
- Bactericidal-Efficacity 12:93
- Drug 12:93
- Lipoic-Acid 12:81, 12:93
- Microbial-Culture 12:81, 12:93
- Potential 12:81
- Potentiometry 12:81, 12:93
- Reduction 12:81, 12:93
- Time-Signal 12:81

Bacterial-Luciferase 4:257
Bacterial-Membrane 12:593
Bacterial-Motility 10:499
Bacterial-Movement 2:52
Bacterial-Photosynthetic-Membrane 41:127
Bacterial-Suspension 37:149
Bactericidal-Effect 21:47
Bactericidal-Efficacity 12:93
Bacteriophage
- Bacterial-Culture 46:59
- Chemiluminescence 46:59
- Cytoplasmic-Membrane 19:235
- Depolarization 19:235
- Escherichia-Coli 19:235
- Induction 19:235
- Ion-Permeable-Channel 19:235
- Mass-Lysis 46:59
- Pattern 46:59

Bacteriorhodopsin
- Bimolecular-Lipid-Membrane 11:327
- Blue–Purple-Transition 20:203
- Current–Voltage-Characteristics 23:45
- Demethyl-Retinal-Analog 44:37
- Electric-Oscillation 36:61
- Electrochemical-Analysis 7:539
- Emulsion 26:139
- External-Electric-Field 12:49
- Heated 37:157
- Incorporation 11:327
- Langmuir-Blodgett-Film 44:37
- Light-Driven 36:61
- Light-Induced-Proton-Pumping 37:157
- Lipid-Impregnated 36:61
- Liposome 9:197
- Membrane-Protein 12:49
- Modulation 36:61
- Mutant 44:37
- Optical-Property-Electrical-Property 44:37
- Photobioelectrochemistry 26:139
- Photobiological-Conversion 9:197
- Photogenerated 7:539
- Phototransfer 26:139
- Polarography 8:251
- Porous-Membrane-Filter 36:61
- Proteoliposome 11:327
- Proton 26:139
- Proton–Magnesium-Exchange 20:203
- Proton-Pump 36:61
- Proton-Pump-Activity 9:197
- Reconstituted 9:197
- Solar-Energy 9:197
- Transmembrane-Proton-Flux 7:539
- Water/Lipid-Interface 26:139

Bacteriorhodopsin-Membrane
- Asparagine-212 33:151
- Aspartate-212 33:151
- Chloride-Ion-Transport-Blocker 45:193
- Component-Analysis 33:135, 33:143, 33:151, 37:91, 45:193
- Divalent-Cation-Chelator 45:193
- Fast-Photoelectric-Signal 33:135, 33:143, 33:151, 37:91, 45:193
- Fluorescamine-Treatment 33:143
- Isolating-Component 37:91
- Low-pH 37:91
- Model 33:135, 33:143, 33:151, 37:91, 37:109, 45:193
- Multilayer-Stacking 33:135
- Null-Current-Method 37:109
- Photoconductivity 37:109
- Photoelectric-Signal 37:109
- Point-Mutation 33:151
- Polarity-Reversal 37:91
- Prolonged-Drying 33:135
- Proton-Ionophore 37:109

Bacteriorhodopsin-Molecule 15:437
Bacteriorhodopsin-Purple-Membrane 5:723
Bacteriostatic-Action 9:541
Bakers-Yeast 43:157
Balance 35:29
Band-Shift 16:55
Bare 24:129
Barium-Ion 1:200
Barium-Oxalate 30:13
Barley-Mesophyll-Cell |Isolated-» 29:327
Barley-Mesophyll-Protoplast 31:85
Barley-Protoplast
- Electrofusion 26:87, 34:109
- Membrane-Active-Agent 26:87
- Modification 26:87
- Polymer-Supported 34:109
- Synergistic-Effect 34:109

Base
- Complexation 19:425, 19:441
- Component 19:425
- Helical-Transition 19:441
- Manganese(II) 19:441
- Nickel 19:441
- Nucleic-Acid 19:425
- Phosphate 19:425
- Polarography 19:441
- Stacking-Interaction 19:441
- Transition-Metal-Ion 19:425

Base-Composition
- Adsorbent 11:245
- Biosynthetic-Polynucleotide 3:461
- Chemical-Nature 11:245
- Conformational-Change 11:245
- DNA-Induced-Adsorption 11:245
- Mercury-Electrode 3:461
- Natural-Polynucleotide 3:461
- Negatively-Charged-Surface 11:245

Base-Line-Respiratory-Activity 35:19
Base-Pair 46:15
Basic-Condition 23:227
Batch-Culture 39:83
Battery-Separator 1:515
BC-Complex 28:401
Beef-Heart 28:177
Belousov–Zhabotinsky-System 15:485
- Catalyzed 15:485
- Control 17:243
- Electrochemical-Methodology 13:287
- Experiment 15:485
- Ferroin 15:485
- Kinetic-Model 13:287
- Mixed-Catalyst 17:243
- Oscillating-System 13:287
- Oscillation-Parameter 17:243
- Theoretical-Pattern 15:485

Benzenesulfonamide-Derivative 12:543
Benzodiazepine
- Benzodiazepine-Iminium 16:407
- Biological-Fluid 10:37
- Charge-Transfer 16:407
- Correlation 16:407
- Drug-Activity 16:407
- Electrochemical-Determination 10:37
- Human-Serum-Albumin 17:535
- Interaction 17:535
- Mechanism 16:407
- Polarography 17:535
- Reduction-Potential 16:407
- Structure 16:407

Benzodiazepine-Iminium 16:407
Benzoic-Acid-Derivative 12:543
Benzonitrile 11:359
Benzoquinone |Substituted-» 27:161
Benzoquinone-Guanylhydrazone-Thiosemicarbazone 27:221
Benzyl-Dihydronicotinamide 26:457
Benzylamine 9:313
Bergofungin 44:155
Beta-Adrenergic-Blocker 16:13
Beta-Alanine 25:269
Beta-Galactosyl 38:85
Beta-Lactam
- Antibacterial-Effect 22:331
- Antibiotics 17:43, 22:331
- Electrochemical-Classification 22:331
- Escherichia-Coli 22:331
- Experiment 17:43
- Lipoic-Acid 17:43
- Microbial-Culture 17:43
- Modeling 17:43
- Potential-Time-Signal 17:43
- Potentiometry 17:43
- Reduction 17:43

Beta-Microglobulin 39:129
Bi-Ionic-Potential 15:113
Bienzymatic-Electrode 47:25
Bienzyme-Electrode 8:81

Bienzyme-Membrane-Sensor 28:105
Bienzyme-Sensor 24:305
Bifunctional-Dye 24:23
Bilayer
• Artificial-Muscle 42:117
• Calcium-Ion-Binding 20:257
• Cyclic-Voltammetry-Parameter 26:321
• Cytochrome 26:321
• Dimension 42:117
• Dipalmitoyl-Phosphatidylcholine 9:711
• Incorporation 26:321
• Inner-Monolayer 20:257
• Interfacial-Electrochemistry 26:321
• Lipid-Bilayer-Modified-Electrode 26:321
• Membrane-Potential 9:711
• Monolayer 9:711
• Movement 42:117
• Negative-Charge 26:321
• Outer-Monolayer 20:257
• Sonicated-Vesicle 20:257
• Stoichiometry 20:257
• Surface-Pressure 9:711
• Temperature-Dependence 9:711
Bilayer-History 37:61
Bilayer-Lipid-Membrane
• Adsorption 23:27, 23:153
• Amphiphilic-Ion 23:27
• Analog 42:123
• Approximation 6:53
• Arbitrary-Number 6:81
• Beta-Adrenergic-Blocker 16:13
• Biosensor 15:371
• Calcium-Channel 16:13
• Calculation 6:53
• Capacitance 46:01
• Channel 42:187
• Chemical-Modification 15:371
• Conformational-Change 31:161
• Current 31:161
• Cyclic-Voltammetry 12:529, 13:299, 24:01
• Cytochrome 21:213
• Cytochrome-Peroxidase 21:213
• Death 6:89, 6:97
• Defect 6:81
• Defect-Formation 6:89, 6:97
• Defect-Origination 6:63
• Deposited 24:01
• Diffusion 6:53
• Dipolar-Potential 15:371
• Dissipation 41:187
• Distribution 23:27
• Doped-Metallochlorophyll 39:125
• Dynamics 41:187
• Electric-Breakdown 6:37, 6:53, 6:63, 6:71, 6:81, 6:89, 6:97
• Electric-Potential 19:499, 23:27
• Electrochemical-Equivalent-Cell 17:409
• Electrochemical-Technique 42:187
• Electron-Conduction 13:299
• Electron-Transfer 21:213
• Electroporation 45:215
• Electrostriction 46:01
• Experiment 6:37
• Gentamicin 23:153
• Identification 42:187
• Interaction 42:123
• Ion-Carrier 31:161
• Kinetic-Stage 6:71, 6:81
• Lifetime 6:53
• Lifetime-Distribution-Function 6:89
• Light-Transduction 5:318
• Liposome 42:123
• Local-pH-Gradient 41:187
• Mechanism 6:63, 19:499
• Membrane 6:53, 6:81, 6:89
• Membrane-Process 42:187
• Mitochondrium 4:155
• Modeling 17:409
• NADH-Dehydrogenase-Coenzyme 4:155
• Neuropeptide 42:123
• Olfactory 36:127
• pH-Gradient 13:85
• Photochromic 31:161
• Photoelectric-Response 39:125
• Pigmented 5:318
• Platinum 24:01
• Polyprenol-Phosphatidylcholine 45:215
• Propranolol 19:499
• Qualitative-Discussion 6:37
• Reaction 4:155
• Receptor 36:127
• Reconstituted 36:127
• Redox-Reaction 12:529
• Relaxation 46:01
• Self-Assembly 24:01
• Single-Defect-Membrane 6:71
• Solid-Support 39:299
• Spirobenzopyran 31:161
• Stabilization 39:299
• Statistical-Property 6:97
• Steady-State 6:53
• Stochastic-Theory 6:89, 6:97
• Strong-Electric-Field 7:83
• Surface-Charge 7:413
• Surface-Potential 46:01
• Tetracaine 46:01
• Transmembrane-Potential 16:13
• Transport 13:85
• Trehalose 39:299
• Unstirred-Layer 13:85, 41:187
• Uranyl-Ion 9:133
• Verapamil 19:499
• Weak-Acid 13:85
• Weak-Base 13:85
Bilayer-Lipid-Membrane |Modified-»
• Biosensor 42:71
• Biotin-Streptavidin 39:235
• Carbon-Dioxide-Detection 42:71
• Current-Fluctuation 45:233
• Electric-Breakdown 9:141
• Electrochemical-Property 23:93
• Electron-Conduction 16:185
• Electrostriction 39:235
• Glucose-Oxidase 45:233
• Hemoglobin 42:71
• Metal-Porphyrin 23:93
• Metal-Support 39:235
• Reversible 9:141
• Uranyl-Ion 9:141
• Voltammetry 16:185
Bilayer-Lipid-Membrane |Planar-»
• Agar-Gel 39:285
• Amphiphilic-Drug 23:17
• Biophysical-Aspect 39:285
• Neutral-Form 23:17
• pH-Gradient 23:17
• Supported-Bilayer-Lipid-Membrane 39:285
• Transport 23:17
Bilayer-Lipid-Membrane |Polymer-Modified-» 19:405
Bilayer-Lipid-Membrane |Polypyrrole–Lecithin-»
• Electric-Oscillation 19:283
• Glucose-Oxidase 19:277
• Immobilization 19:277
Bilayer-Lipid-Membrane |Self-Assembled-» 42:141
Bilayer-Lipid-Membrane |Supported-»
• Agar-Gel 39:285
• Background-Technique 42:77
• Biophysical-Aspect 39:285
• Biosensor 42:77
• Cyclic-Voltammetry 39:275, 43:173
• C_{60} 42:161
• Development 42:77
• Dye-Modified 43:173
• Electric-Property 39:275
• Electronic-Process 42:161
• Fullerene 42:161
• Geodesic-Form-Carbon 42:161
• Planar-Bilayer-Lipid-Membrane 39:285
Bilayer-Lipid-Membrane |Two-Component-» 46:199
Bilayer-Membrane
• Amphiphile 22:45
• Conduction 15:229
• Diffusive-Permeability 12:405
• Electric-Breakdown 15:229, 15:243
• Electric-Capacitance 12:393
• Liquid-Crystalline-Property 22:45
• Onset-Criteria 15:229
• Quantitative 15:243
• Reversible 15:229, 15:243
• Statistical-Theory 15:211
• Theory 15:243
• Transient-Aqueous-Pore 12:393, 12:405, 15:211, 15:229
Bilayer-Membrane |Artificial-Planar-» 25:163
Bilayer-Membrane |Artificial-» 9:517
Bile-Pigment 29:01
Bile-Secretion 19:67
Bilirubin
• Biliverdin 26:345
• Circular-Dichroism 34:141
• Electrochemical-Reduction 17:101
• Electrooxidation 26:345
• Human-Serum-Albumin 34:141
• In-Situ 34:141
• Oxidation 13:267
• Spectroelectrochemistry 13:267, 26:345
• UV-Visible-Spectroelectrochemistry 34:141
Biliverdin 26:345
Bimolecular-Lipid-Membrane
• ATP-Hydrolysis 7:353
• Bacteriorhodopsin 11:327
• Capacity-Minimization 34:19
• Catalyzed 7:353
• Electric-Charge 7:353
• Electronic-Conduction 2:124
• Exciton-Mechanism 2:124
• Flux 7:353
• Incorporation 11:327
• Interaction 34:19
• Iodine-Effect 2:124
• Na-K-ATPase 7:353
• Proteoliposome 11:327
• Surface-Active-Substance 34:19
Bimolecular-Lipid-Membrane |Dye-Modified-» 16:435
Bimolecular-Lipid-Membrane |Platinum-» 45:173
Bimolecular-Lipid-Membrane |Supported-» 36:145
Bimolecular-Lipid-Membrane |TCNQ-Modified-» 19:227
Bimolecular-Lipid-Membrane |Unmodified-» 7:617
Bimolecular-Lipid-Membrane-Electrode |Gold/Octadecanethiol/Lipid-» 48:243
Bimolecular-Lipid-Membrane-Electrode |Platinum-Supported-» 44:285
Binding
• Albumin 16:471
• Alternating-Current-Polarography 11:425
• ATP 2:321
• ATP-Magnesium-Salt 9:31
• Azide 17:369
• Bovine-Pancreatic-Trypsin 10:289
• Bovine-Serum-Albumin 10:289
• Cation 5:116
• Chlordiazepoxide 16:471
• Cloxacillin 11:425
• Cytochrome 17:369
• Cytochrome-Oxidase 17:369
• Equilibrium 2:321
• Glutathione 11:425
• Human-Serum-Albumin 10:289
• Hydrocarbon/Water-Interface 9:31
• Hydrogen-Ion-Activity 9:31
• In-Vitro 11:425
• Lipophilic-Anion 42:263
• Microbial-Cell 42:263
• Model-Reaction 9:31
• Nickel 2:321
• Nucleotide 9:31
• Oxidation-Reduction 17:369
• Oxovanadium(V)-Anion 10:289
• Phosphatidylserine 5:116
• Polarographic-Determination 2:321
• Rate-Constant 2:321
• Sorption 9:31
• Spectral-Property 17:369
• Vesicle 5:116
Binding-Site 40:249
Bio-Membrane 17:519
Bio-Polymer
• Anthracycline-Antibiotics 8:537
• Complex 8:537

• DNA 8:537
• Polarography 8:469, 8:537
Bioactive 20:33
Bioanalytical-Application
• Cell-Metabolism 48:217
• Living-Cell 44:89
• Mammalian-Cell 45:247
• Mammalian-Tumor-Cell 48:217
• Photoelectric-Behavior 45:247
• T-Shanghaiensis 44:89
• Voltammetry 44:89, 48:217
Bioassay 44:31
Biocatalyst 27:199
Biocatalyst-Electrode
|Modified-» 45:67
Biocatalytic-Current 10:385
Biocatalytic-Electrode 27:441
Biocatalytic-Oxidation 8:103
Biochemical-Basis 19:137
Biochemical-Characteristics 25:45
Biochemical-Effect 14:121
Biochemical-Fundamentals 25:19
Biochemical-Membrane 16:565
Biochemical-Oxidation 28:435
Biochemical-Process 1:14
Biochemical-Property
• He-Ne-Laser 10:185
• High-Peak-Power-Ruby-Laser 8:315
• Irradiation 8:315, 10:185
• Low-Power-HeNe-Laser 8:315
• NADH 8:315
• Optical-Property 8:315, 10:185
• Rat-Liver-Mitochondrium 10:185
Biochemical-Reaction 7:807
Biochemistry 33:75
Biocide
• Leaf-Membrane 5:52
• Membrane-System 6:197
• Plant-System 5:52, 6:197
• Surfactant 6:197
• Transport 5:52
Biocomponent 8:63
Bioeffect
• Bound-Water-Molecule 43:239
• Dynamical-System 43:239
• Electromagnetic-Field 35:01, 35:63, 47:135
• Environmental 47:135
• Gap-Junction-Impedance 35:63
• Ion-Binding 43:239
• Larmor-Precession 43:239
• Melatonin 47:135
• Model 43:239
• Orientation 43:239
• Risk-Assessment 35:01
• Thermal-Noise-Limit 35:63
• Tissue-Dielectrics 35:63
• Weak-Magnetic-Field 43:239
Bioeffective 48:27
Bioelectric-Activity 48:223
Bioelectric-Excitation
• Action-Potential-Generation-Equation 10:87
• Current-Generation-Equation 10:109
• Electrogenic-Ion-Transport 10:87, 10:109
• Quantitative-Theory 10:87, 10:109
• Voltage-Clamp 10:109
Bioelectric-Potential 1:187
Bioelectrical-Effect 14:131
Bioelectrical-Parameter
• Electromagnetic-Field 37:39
• Helix-Pomatia 37:39, 37:47
• High-Frequency-Electromagnetic-Field 37:39, 37:47
• Magnetic-Field 37:39, 37:47
• Nerve-Cell 37:39, 37:47
• Vineyard-Snail 37:39, 37:47
• Weak-Low-Frequency-Pulsed-Electromagnetic-Field 37:39, 37:47
Bioelectroanalytical-Sensor 20:01
Bioelectrocatalysis
• Catalyst 4:314
• Efficiency 13:163
• Electrode-Surface 13:163
• Hydrogen-Ionization 4:314
• Hydrogenase 4:314
• NAD^+ 27:475
• Polymer-Modified-Electrode 12:583
• Reduction 27:475
Bioelectrochemical-Activity 32:35
Bioelectrochemical-Effectiveness 44:215
Bioelectrochemical-Fuel-Cell
• Degradation 43:177
• Depolarization-Type 6:493
• Glucose 43:177
• Kinetic-Model 6:493
• Synechocystis 43:177
Bioelectrochemical-Interface 42:15
Bioelectrochemical-Reaction 7:787
Bioelectrochemical-Response 6:185
Bioelectrochemical-Signal 37:55
Bioelectrochemical-Stimulation 5:232
Bioelectrochemical-Study 7:345
Bioelectrochemical-System
• Electromagnetic-Interaction 5:97
• Energy-Transduction 11:193
• Model 5:97
• Noise 5:97
Bioelectrochemistry
• Bioelectromagnetism 14:05
• Bioenergetics 8:507
• Biosensor 42:07
• Gold-Electrode 42:07
• In-Vivo 27:99
• Interdisciplinary-Survey 8:507
• Lampito-Mauritii 27:99
• Lead-Uptake 27:99
• Medicine 19:191
• Microperoxidase 28:159
• Photosynthesis 13:183
• Self-Assembled-Thiol-Monolayer 42:07
• Theory 13:183
Bioelectromagnetics
• Biological-Aspect 40:01
• Chick-Embryo 48:209
• Commercial-Equipment 35:127
• Confounding-Factor 48:209
• Experiment 35:127
• Extremely-Low-Frequency-Magnetic-Field 35:127
• Field-Induced-Anoxia 48:209
• Flock-Dependence 48:209
• Generation 35:127
• Genetics 48:209
• Implication 35:127
• In-Vitro 40:01
• Protection 48:209
Bioelectromagnetism 14:05
Bioelectronic-Process 3:545
Bioenergetics
• Bioelectrochemistry 8:507
• Biological-Mechano-chemiemission 46:273
• Double-Function 28:31
• Interdisciplinary-Survey 8:507
• Lipid-Bilayer-Membrane 15:19
• Minimum 8:247
• Oxygen 28:31
• Redox-Reaction 15:19
• Surface-Geometry 8:247
Biofuel-Anode-Cell 16:479
Biofuel-Cell
• Characteristics 3:139
• Clostridium-Butyricum 11:273
• Construction 3:139
• Electrochemical-Conversion 11:273
• Electrode 3:139
• Glucose 3:139
• Microperoxidase-Monolayer-Functionalized-Electrode 44:209
• Performance 3:139
• Pyrroloquinoline 44:209
• Quinone 44:209
• Staphylococcus-Aureus-Oxford 11:273
Biofunctional-Hybrid-Structure 46:215
Biogalvanic-Current-Source 1:266
Biogenic-Substance 12:353
Biogeocenosis 8:709
Bioinformatics 46:215
Biological-Activity
• Atomic-Force-Microscopy 38:137
• Component 38:137
• Dimethoxy-Nitrobenzene 46:21
• Domain 47:57
• Electrochemical-Reduction 46:21
• Embedded-Vesicle 47:57
• Fusion 38:137
• Generation 46:21
• Human-Prothrombin 47:57
• Incorporated 38:137
• Liposome 38:137
• Nitro-Radical-Anion 46:21
• Proteoliposome 38:137
• Quartz-Crystal-Microbalance 38:137
• Solid-Substrate 38:137
• Surface-Plasmon-Resonance 38:137
Biological-Aspect 40:01
Biological-Cell
• Arbitrarily-Shaped 40:167
• Dielectric-Behavior 40:167
• Dielectric-Spectroscopy 40:141
• Electric-Field 27:89, 42:221
• Numerical-Calculation 42:221
• Particle 40:167
• Shape-Effect 40:167
• Three-Dimensions 42:221
Biological-Cell-Membrane 22:135
Biological-Cell-Suspension 40:99
Biological-Component
• Adsorbed-Metal 9:571, 10:251
• Anodic-Oxidation 9:571, 10:251
• Catalytic-Oxidation 9:571, 10:251
• Catecholamine 10:251
• Glucose 9:571
• Modified-Platinum-Electrode 9:571, 10:251
Biological-Correlation 10:119
Biological-Effect
• Counterion 28:279
• Electromagnetic-Field 15:39, 32:203
• Electromagnetic-Signal 12:259
• Energetics 12:259
• Intensity 28:279
• Interference 45:73
• Kinetics 12:259
• Low-Frequency-Low-Electric-Field 28:279
• Mechanism 45:73
• Polarization 28:279
• Pulsed-Magnetic-Field 45:73
• Transduction 12:259
Biological-Effectiveness 43:27
Biological-Evidence 43:151
Biological-Fluid
• Aztreonam 45:281
• Benzodiazepine 10:37
• Electrochemical-Determination 10:37
• Electrode 45:281
• Monobactam-Antibiotics 45:281
Biological-Growth 3:370
Biological-Implication 9:223
Biological-Importance 8:459
Biological-Interaction 25:01
Biological-Interface 3:545
Biological-Interphase 7:787
Biological-Macromolecule
• Electric-Pulse-Induced-Precipitation 48:249
• Electroporation 48:249
Biological-Material 14:105
Biological-Measurement 7:363
Biological-Mechano-chemiemission 46:273
Biological-Media 26:485
Biological-Model 9:527
Biological-Parameter 6:185
Biological-Phenomena 3:305
Biological-Process
• ACI-Reductone 7:333
• Adsorbed 23:81
• Air-Saturated-Solution 6:427
• Aqueous-Acid-Media 7:333
• Biological-Correlation 10:119
• Calcium-Uptake 10:119
• Carbonyl-Compound 7:333
• Chemical-Correlation 10:119
• Collodion–Oleic-Acid-Membrane 6:427
• Degradation 17:523
• Deoxyribonucleic-Acid 17:523
• Electromagnetic-Modulation 10:119

- Electron-Transport 7:333, 17:523, 23:81, 36:67
- Embryonal-Chick-Tibia 10:119
- Experimental-Model 6:427
- Hydroxyquinone-Derivative 17:523
- In-Vitro 10:119
- Methylene-Blue-Sensitized 6:427
- Phospholipidic-Matrix 36:67
- Photosensitive-Lipid-Membrane 6:427
- Photosensitization 6:427
- Physical-Correlation 10:119
- Pyrolitic-Graphite-Electrode 36:67
- Pyrolytic-Graphite-Electrode 23:81
- Reduction-Product 7:333
- Rhodizonic-Acid 7:333
- Ubiquinone 23:81

Biological-Reaction 2:251

Biological-Relevance
- C-T-Complex 7:699
- Calorimetry 9:379
- Complex 9:379
- Donor–Acceptor-Interaction 7:699, 9:379
- Model 9:379
- NAD 9:379
- Phenolic-Structure 7:699, 9:379
- Quantitative 7:699, 9:379
- Spectroscopy 9:379
- Substituted-Pyridinium-Ion 7:699

Biological-Sample
- Electric-Property 37:05
- Electrochemical-Determination 46:33
- Measurement 37:05
- Nitric-Oxide 46:33
- Radiofrequency-Magnetic-Field 37:05
- Superoxide 46:33

Biological-System
- Breakthrough 41:27
- Bursting 38:185
- Charge-Transfer 41:43
- Closed-Loop 42:227
- Coherent-State 41:19
- Current-Oscillation 38:185
- Dichromate 38:185
- Distant-Electron-Transfer 48:333
- Dual-Frequency 25:395
- Dynamics 41:27
- Electromagnetic-Receptor 42:227
- Energy-Transfer 41:43
- Excitation 25:395
- Exciton-State 2:339
- Iron-Corrosion 38:185
- Lipid–Water-Interaction 2:339
- Nonlinear-Dielectric-Property 24:83, 25:395
- Periodic 38:185
- Periodic-Field 48:333
- Quantum-Mechanics 41:19, 41:27
- Saccharomyces-Cerevisiae 24:83
- Saccharomyces-Cerevisiae-Suspension 25:395
- Self-Trapping-Mechanism 41:43
- Simulating 38:185
- Singlet-Oxygen 18:91
- Spontaneous 38:185

Biological-Tissue
- Comparison 35:115
- Electric-Property 40:147
- Electromagnetic-Field-Parameter 35:115
- Equivalent-Circuit 40:147
- Extraction 45:157
- Impedance-Spectroscopy 45:157
- Information 45:157
- Modeling 40:147
- Numerical-Calculation 35:115
- Oral-Mucosa 45:157
- Skin 45:157

Biological-Understanding 22:241

Biological-Variable 44:111

Biologically-Active
- Avarone 26:457
- Benzyl-Dihydronicotinamide 26:457
- Cationic-Medium 26:457
- Electrochemical-Reactivity 17:567
- Glassy-Carbon-Electrode 17:567
- Mechanism 26:457
- Micellar 26:457
- Oxidation 26:457
- Para-Benzoquinone-Derivative 26:457
- Quinone–Hydroquinone-Sesquiterpenoid 17:567

Biologically-Important
- Biochemistry 33:75
- Electroreduction 3:41
- Indoleamine 33:75
- Oxidation-Chemistry 33:75
- Photoadduct 3:41
- Purine 33:75
- Pyrimidine 3:41

Biologically-Important-Compound 8:479

Biologically-Important-Purine 1:49

Biologically-Important-Substance 33:159

Biologically-Interesting-Compound 9:469

Biology 27:235

Bioluminescence 43:197

Bioluminescence |Activated-» 22:231

Bioluminescence |Glucose-Activated-» 40:59

Biomagnetic-Field 37:51

Biomagnetic-Stimulation 46:121

Biomass
- Capacitive-Measurement 46:91, 46:105
- Dielectric-Characteristics 9:15
- Dielectric-Spectroscopy 46:91, 46:105
- Electrode-Polarization 46:91, 46:105
- Fermentation 46:91
- Frequency-Method 46:105
- Maize-Plant 9:15
- Reduction 46:105

Biomedical-Application
- Antitumor 38:203
- Biofunctional-Hybrid-Structure 46:215
- Bioinformatics 46:215
- Cell-Silicon-Hybrid 46:215
- Dielectric-Permittivity 30:55
- Electric-Conductivity 30:55
- Electric-Pulse 38:203
- Electrochemotherapy 38:203
- Electromagnetic-Inverse-Problem 30:55
- Noninvasive-Reconstruction 30:55

Biomedical-Effect 30:333

Biomedical-Measurement 3:158

Biomembrane
- Analogy 1:313
- Calcium-Mediated-Transfer 17:111
- Coulomb-Effect 4:45
- Dielectric-Constant 10:345
- DNA 17:111
- Electrochemical-Function 1:322
- Electrochemical-Property 1:355
- Electrochemical-Theory 25:81
- Electrodic-Memory 5:43
- Energy-Dependent 13:143
- Energy-Transduction 16:273
- Facilitated-Proton-Transfer 25:81
- Function 5:43
- Independence-Principle 1:301
- Industrial-Membrane-Technology 17:121
- Interaction 4:45
- Interfacial-Charge 16:273
- Interfacial-Inhomogeneous-Region 12:105
- Ion-Transport 4:30
- Ionic-Transport-Process 10:345
- Mechanism 16:273, 17:111
- Membrane-Model 1:313
- Membrane-Potential 1:313
- Microchemiosmotic-Interpretation 13:143
- Mimicking 42:141
- Model 5:43
- N-Substituted-Phenothiazine 1:355
- Permeability 1:313
- Photosynthesis 13:143
- Potassium-Channel 4:30, 4:45
- Practical-Application 42:141
- Protein 10:345
- Proton-Displacement 16:273
- Qualitative 5:43
- Quaternary-Ammonium-Salt 1:355
- Self-Assembled-Bilayer-Lipid-Membrane 42:141
- Significance 16:273
- Simplified-Model 1:355
- Sodium-Channel 1:301
- Structure 1:322
- Synthetic-Membrane 9:391
- Thylakoid 13:143
- Uncoupler 25:81
- Underlying-Process 17:111
- Unidirectional-Flux 4:45
- Weak-Acid 25:81

Biomembrane |Artificial-» 3:474

Biomembrane-Like 48:117

Biomolecular-Electronics 21:171

Biomolecule 19:413

Biophysical-Aspect
- Agar-Gel 39:285
- Cellular-Level 41:03
- Dynamics 41:03
- External-Signal 41:03
- Genetic-Effect 27:11
- Interaction 41:03
- Internal-Oscillation 41:03
- Low-Intensity 27:11
- Millimeter-Wave 27:11
- Modeling 41:03
- Planar-Bilayer-Lipid-Membrane 39:285
- Supported-Bilayer-Lipid-Membrane 39:285
- Weak-Electromagnetic-Field 41:03

Biophysical-Mechanism 41:221

Biopolymer
- Electric-Field 5:313
- Electrode-Surface 4:522
- Model 4:522
- Structural-Transition 5:313

Biosensor
- Affinity 47:47
- Background-Technique 42:77
- Bilayer-Lipid-Membrane 15:371
- Bioelectrochemistry 42:07
- Carbon-Dioxide-Detection 42:71
- Chemical-Modification 15:371
- Development 42:77
- Dipolar-Potential 15:371
- Dynamics 47:47
- Gold-Electrode 42:07
- Hemoglobin 42:71
- Microorganism 22:113
- Modified-Bilayer-Lipid-Membrane 42:71
- Peptide 22:113
- Physical-Property 47:47
- Self-Assembled-Thiol-Monolayer 42:07
- Solid-Supported-Lipid-Membrane 47:47
- Structure 47:47
- Supported-Bilayer-Lipid-Membrane 42:77
- Utilization 22:113

Biosynthesis
- C-myc-Transcript-Level-Change 39:215
- Continuous-Exposure 39:215
- Electrochemical-Model 19:569
- Electromagnetic-Field-Stimulation 39:215
- Electromagnetic-Stimulation 21:307
- External-Electric-Field 19:569
- Intermittent-Exposure 39:215
- Missing-Protein 21:307
- Stimulation 19:569
- Thermal-Stimulation 21:307

Biosystem
- Bacillus-Subtilis 43:123
- Chemical-Damage 28:483
- Chemiluminescence 28:483
- Direct-Electric-Field-Effect 25:455
- Evolution 5:01
- High-Magnetic-Field 43:123
- Measurement 43:123
- Mechanical-Damage 28:483
- Plant 28:483
- Porphyrin 5:01
- Sequential-Process 25:455

- Stress-Induced-Electromagnetic-Emission 28:483
- Superconducting-Magnet 43:123

Biotechnical-Potential 27:105
Biotechnological-Advance 43:165
Biotechnology 20:133
Biotin 41:167
Biotin-Aza-Crown-6 28:459
Biotin-Derivative 33:205
Biotin-Streptavidin 39:235
Biotinylated-Phospholipid 42:35
Bipolar-Lipid-Membrane |Artificial-» 9:591
Bipyridyl-Monolayer 14:347
Bipyridyl-Surface 7:527
Black-Lipid-Membrane 25:105
Blastocyst 9:223
Blastomere
- Biological-Implication 9:223
- Blastocyst 9:223
- Electric-Field-Effect 9:223
- Electrofusion 15:513
- Fusion 9:223
- Mouse 15:513
- Mouse-Embryo 9:223
- Rat 15:513

Blebbing 26:97
Blepharisma 27:513
Block 36:33
Blood
- Balance 35:29
- Biochemical-Characteristics 25:45
- Component 44:289
- Dielectric-Property 35:29
- Experimental-Animal 35:29
- Extremely-Low-Frequency-Variable-Magnetic-Field 35:29
- Kinetics 3:01
- Leukocyte 3:01
- Multistep-Therapy 7:685
- Oxygen-Binding-Capacity 7:685
- Oxygen-Transport 7:685
- Permanent-Multiplication 7:685
- Redox-Potential 25:45
- Rheologic-Property 35:29
- Thermodynamic-Constraint 3:01
- Tissue 7:685
- Variation 25:45
- Water-Electrolyte 35:29

Blood-Brain-Barrier 30:293
Blood-Cell 7:255
Blood-Flow 12:03
Blood-Medium 2:351
Blood-Serum 29:347
Blood-Vessel |Human-» 38:281
Blue–Purple-Transition 20:203
Body-Event 1:418
Bombyx-Mori 26:167
Bone
- Alternating-Current-Polarography 13:365
- Comparison 46:29
- Dielectric-Relaxation 46:29
- Keratin 46:29
- Lead 13:365

Bone-Cell 13:49
Bone-Formation 35:87
Bone-Growth 14:235
Bone-Marrow
- 50-Hz-Electric-Field 39:119
- 50-Hz-Magnetic-Field 39:119
- Cadmium 39:119
- Clinical-Application 48:171
- Leukaemia 48:171
- Tumor-Cell 39:119
- Voltammetry 48:171

Bone-Non-Union 14:155
Born-Approximation |Modified-» 35:109
Bose–Einstein-Coherent-State 41:39
Bound
- Catalytic-Capability 29:127
- Circular-Dichroism 2:93
- Diaphorase 29:127
- Electron-Paramagnetic-Resonance-Spectroscopy 2:93
- Gold-Electrode 29:127
- Iron-Sulfur-Protein 2:93
- Monitoring 2:93
- Potentiometric-Titration 2:93
- Self-Assembled-Thiol-Monolayer 29:127
- Soluble 2:93

Bound-Enzyme 28:443
Bound-State 41:93
Boundary 9:117
Bowel-Cancer 13:103
Brain
- Anticancer 47:259
- Dopaminergic-Neuron 5:504
- Drug-Delivery 47:259
- Electrochemical-Information 5:504
- Enhancement 47:259
- Ethanol 18:211
- In-Vivo 5:504
- Ion-Selective-Microelectrode 7:231
- Lipid-Peroxidation 18:211
- Measurement 7:231
- Metabolism 5:504
- Microwave-Induced-Hyperthermia 47:259
- Mitochondrial-Damage 18:211
- Potassium-Change 7:231
- Release-Process 5:504
- Spinal-Cord 7:231
- Storage 5:504

Brain-Injury 22:403
Brain-Tissue
- Coupling 5:67
- Mechanism 5:67
- Modified-Carbon-Paste-Electrode 41:101
- Origin 41:101
- Performance 41:101
- Stearic-Acid 41:101
- Surfactant 41:101
- Weak-Electromagnetic-Field 5:67

Brain-Tumor 30:313
Brdicka-Current 9:253
Brdicka-Type 17:71
Brdicka-Wave 7:187
Breakdown 8:581
Breakthrough 41:27
Breast-Cancer 30:127
Bridging-Imidazolate 39:291
Briggs–Rauscher-Reaction 11:435
Brilliant 21:233
Broad-Bean-Leaf 5:776
Bromide-Ion 12:137
Bromopyrogal-Red 39:95
Bromosulfophthalein 10:75
Brownian-Motion |Biased-» 39:67
Buffer 4:117
Buffered-Media 10:239
Buffering 46:79
Buildup 45:181
Bulk-Solvent-Structure 5:196
Bursting 38:185
Butler–Volmer-Equation 14:313
Butyrylcholine 26:237
C-Mitotic-Effect 26:335
C-myc-Transcript-Level 36:33
C-myc-Transcript-Level-Change 39:215
C-T-Complex 7:699
Cadmium
- 50-Hz-Electric-Field 39:119
- 50-Hz-Magnetic-Field 39:119
- Adsorbed-Layer 12:353
- Bacterial-Cell 34:53
- Biogenic-Substance 12:353
- Bone-Marrow 39:119
- Carbonic-Anhydrase 22:299
- Carboxypeptidase 22:299
- Cholate-Aggregate 29:91
- Cobalt(II) 6:337
- Complexation 6:337
- Copper 6:337, 22:299, 29:91
- Differential-Pulse-Polarography 22:299
- Discharge-Kinetics 25:155
- Dropping-Mercury-Electrode 25:155
- Hydantoin 8:287
- Hydroxyproline 25:155
- Imidazole 6:337
- In-Vivo 26:403
- Interaction 8:287, 12:353, 29:91, 34:53
- Lead 29:91
- Mercury-Electrode 12:353
- Metallotropic-Form 22:299
- Nickel 6:337
- Permeability 13:127
- Phospholipid-Vesicle 13:127
- Physiological-Condition 6:337
- Polarography 8:287, 13:127, 25:155, 29:91
- Potentiometry 6:337
- Proline 25:155
- Proton 6:337
- Succinimide 8:287
- Surface-Active 12:353
- Translocated 26:403
- Tumor-Cell 39:119
- Vacuole-Chara-Cell 26:403
- Voltammetry 26:403, 34:53
- Zinc 6:337, 22:299

Cadmium-Uptake 48:61
Cadmium-Zinc-Metallothionein
- Adsorption 40:223
- Characterization 46:45
- Differential-Pulse-Polarography 46:45
- Human-Adult-Kidney 46:45
- Mercury-Electrode 40:223
- Voltammetry 40:223

Calcium-Antagonist 23:161
Calcium-ATPase
- Phosphoenzyme 17:457, 17:473
- Sarcoplasmic-Reticulum 17:473
- Spin-Probe 17:457, 17:473
- Steady-State-Level 17:457
- Water 17:457, 17:473

Calcium-ATPase/Lipid-Reconstituted-System 38:117
Calcium-Binding 3:509
Calcium-Channel
- Beta-Adrenergic-Blocker 16:13
- Bilayer-Lipid-Membrane 16:13
- Gating-Current 7:421
- Human-Allantochorial-Placental-Vessel 48:407
- Interaction 22:175
- Membrane-Potential 48:407
- Neuronal-Membrane 7:195, 7:421
- Potassium-Channel 48:407
- Smooth-Muscle-Cell 22:175, 48:407
- Sodium–Calcium-Antiporter 22:175
- Transmembrane-Potential 16:13

Calcium-Chloride
- Activity-Coefficient 39:101
- Aqueous-Media 39:101
- Dipalmitoyl-Phosphatidylcholine 39:101
- Magnesium-Chloride 39:101
- Sodium-Chloride 5:223
- Spectrin-Solution 5:223
- Structural-Change 5:223

Calcium-Dependence
- Cell-Free 43:233
- Enzyme 35:57
- Modulation 35:57, 43:233
- Myosin 35:57, 43:233
- Phosphorylation 35:57, 43:233
- Preparation 35:57, 43:233
- Static-Magnetic-Field 35:57
- Weak-Static-Magnetic-Field 43:233

Calcium-Flux 40:15
Calcium-Ion
- Addition 46:249
- Arthropod-Photoreceptor 3:151
- Barium-Ion 1:200
- Buffering 46:79
- Cardiac-Membrane 1:200
- Cell-Membrane 3:151
- Cell-Surface 12:177
- Chemiluminescence 22:37
- Crayfish-Limulus 3:151
- Electric-Property 1:200
- Electrobioluminescence 15:341
- Electrochemical-Measurement 46:249
- Electromagnetically-Induced-Displacement 12:177
- Electrosorption 10:279
- Electrostatic-Influence 12:177
- Endoplasmic-Reticulum 46:79
- Escherichia-Coli 46:249
- Ethylenediaminetetraacetic-Acid 46:249
- Excitation 3:543
- Experiment 3:151
- Glucose-Dehydrogenase 46:249
- Glutathione 29:103
- Gold-Electrode 29:103
- Inhibition 10:279

- Ion-Gate-Response 29:103
- Ionic-Selectivity 12:517
- Lampito-Mauritii 15:341
- Lecithin-Monolayer 10:279
- Magnesium-Ion 22:37, 46:249
- Modeling 46:79
- Monolayer-Assembly 29:103
- Oscillation 46:79
- pH 29:103
- Phagocyte-Induced-Electroporation 22:37
- Phorbol-Ester 27:49
- Potassium-Ion 3:543, 12:517, 29:103
- Proteic-Phase 12:517
- Protein-Size 46:79
- Protozoan-Membrane 3:543
- Pyrroloquinoline 46:249
- Quinone 46:249
- Sequestering 46:79
- Signaling 46:79
- Significance 3:543
- Sodium-Ion 12:517
- Strontium-Ion 1:200
- Subcompartment 46:79
- Synergistic-Effect 27:49
- Transference-Number 12:517
- Transmembrane-Potential 46:79
- Visual-Cell 3:151

Calcium-Ion-Binding 20:257
Calcium-Magnesium-Ion-Binding 4:87
Calcium-Measurement 46:129
Calcium-Mediated 5:473
Calcium-Mediated-Transfer 17:111
Calcium-Oscillation 41:97
Calcium-Release
- |Iron-Induced-» 18:203

Calcium-Signaling 42:197
Calcium-Transport
- Cell-Injury 23:325
- Experiment 23:325
- Extremely-Low-Frequency-Electromagnetic-Field 47:311
- Hepatic-Chronic-Iron-Overload 23:325
- Human-Erythrocyte 47:311
- Medium-Frequency-Electromagnetic-Field 47:311
- Mitochondrium 23:325

Calcium-Uptake
- Biological-Correlation 10:119
- Biological-Process 10:119
- Bone-Cell 13:49
- Capacitive-Pulsed-Electrical-Stimulation 13:49
- Chemical-Correlation 10:119
- Chick-Small-Intestine 25:437
- Electromagnetic-Modulation 10:119
- Embryonal-Chick-Tibia 10:119
- Embryonic-Chick-Tibia-Explant 8:515
- Enhancement 25:437
- In-Vitro 10:119, 25:437
- Induction 13:49
- Low-Frequency-Electromagnetic-Pulse 25:437
- Physical-Correlation 10:119
- Weak-Inductively-Coupled-Pulsating-Current 8:515

Calculation
- Amperometry 13:199
- Approximation 6:53
- Bilayer-Lipid-Membrane 6:53
- Calibration-Graph 13:199
- Charge-State 48:397
- Charge-Transfer 48:397
- Circuit-Analysis 4:287
- Concentration-Dependent 4:287
- Conductance 4:287
- Detector 13:199
- Diffusion 6:53
- Donnan-Potential 8:327, 8:339
- Dynamics 26:159
- Electric-Breakdown 6:53
- Electrolyte 8:327, 8:339
- Electromagnetic-Field 30:73
- Energy-Absorption 47:221
- Enzyme-Reactor 13:199
- Epithelial-Ion-Transport 4:287
- Excitable-Biomembrane 26:159
- Experiment 30:73
- Flow-Injection-Analysis 13:199
- Free-Energy 48:397
- Homogeneous-Pulsed-High-Frequency-Field 47:221
- Human-Body-Model 47:221
- Immobilized-Dehydrogenase 13:199
- Intraprotein-Electric-Field 48:397
- Ion-Movement 8:327, 8:339
- Lifetime 6:53
- Light-Induced-Donnan-Potential 8:327
- Light-Induced-Surface-Potential 8:339
- Measurement 13:199
- Membrane 6:53
- NADH 13:199
- Outer-Depolarizing-Cation 26:159
- Precision-Measurement 37:01
- Protein-Structure 48:397
- Radiofrequency-Electromagnetic-Field 37:01
- Rectangular-Cavity-Resonator 37:01
- Small-Animal 30:73
- Steady-State 6:53
- Surface 8:327, 8:339
- TEM-Cell 30:73
- Thylakoid-Membrane 8:327, 8:339
- Voltage-Dependent 4:287

Calf-Thymus 7:643
Calibration
- Band-Shift 16:55
- Carotenoid 16:55
- Chloroplast 16:55
- Chromatophore 7:575
- Diffusion-Potential 16:55
- Electrochromic-Absorbance-Change 7:575
- External-Membrane-Potential 16:55
- Linear-Equation 21:33
- Membrane-Potential 21:33
- Mitochondrium 21:33
- Oxonol-VI 16:55
- Proteo-Liposome 16:55
- Rhodopseudomonas-Capsulata 7:575

Calibration-Graph 13:199
Calmodulin 42:207
Calmodulin-Antagonist 16:519
Calorimetry
- Apparent-Equilibrium-Constant 9:219
- Aqueous-Solution 9:219
- Biological-Relevance 9:379
- Complex 9:379
- Donor–Acceptor-Interaction 9:379
- Model 9:379
- NAD 9:379
- Phenolic-Structure 9:379
- Quantitative 9:379
- Self-Stacking 9:219
- Spectroscopy 9:379

Calpain 42:207
Camelus-Dromedarius 15:521
Cancer
- Complex-Biophysical-Chemical-Therapy 27:341
- Electromagnetic-Field 29:255
- Neuroendocrine-Related-Promotion 29:255
- Theory 29:255

Cancer-Tissue 7:255
Cancer-Treatment 27:347
Cancerostatic
- Anthracycline 16:135
- Blood-Serum 29:347
- Differential-Pulse-Stripping-Voltammetry 29:347
- Fluorouracil 29:347
- Metabolic-Process 16:135
- Modeling 16:135
- Polarography 16:135

Cancerostatic-Actinomycin 36:149
Cancerous-Breast-Tissue 45:161
Cancerous-Tissue 45:169
Capacitance
- Bilayer-Lipid-Membrane 46:01
- Characteristics 44:163
- Electrostriction 46:01
- Gold-Electrode 44:163
- Natural-Membrane 13:317
- Relaxation 46:01
- Self-Assembled-Monolayer 44:163
- Surface-Compartment-Model 13:317
- Surface-Potential 46:01
- Tetracaine 46:01

Capacitive-Measurement
- Biomass 46:91, 46:105
- Dielectric-Spectroscopy 46:91, 46:105
- Electrode-Polarization 46:91, 46:105
- Fermentation 46:91
- Frequency-Method 46:105
- Reduction 46:105

Capacity 18:231
Capacity-Minimization 34:19
Capillary 28:127
Capsule 45:275
Carbohydrate-Fuel 14:367
Carbon-Dioxide
- Carbonic-Anhydrase 23:361
- Electrocatalysis 24:241
- Electrochemical-Fixation 24:241
- Facilitated-Diffusion 23:361
- Malic-Acid 24:241
- Malic-Enzyme 24:241
- Pyruvic-Acid 24:241
- Respiration 23:361
- Saccharomyces-Cerevisiae 23:361

Carbon-Dioxide-Detection 42:71
Carbon-Dioxide-Gas 21:343
Carbon-Dioxide-Gradient 5:77
Carbon-Dioxide-Stress
- Changing 33:67
- Electric-Connection 33:67
- Electrochemical-Connection 33:67
- In-Vivo 39:115
- Intracellular-Potential 33:67
- Intracellular-Potential-Change 32:133
- Leaf-Cell 33:67
- Multifunctional-Microelectrode 39:115
- Potassium-Response 39:115
- Tradescantia-Virginiana 33:67
- Tradescantia-Virginiana-Leaf 32:133

Carbon-Dioxide-Transport
- Carbon-Dioxide-Gradient 5:77
- Carbonic-Anhydrase 27:487
- Electric-Potential 5:77
- GABA 27:487
- Homeostasis 27:487
- In-Vitro 27:487
- Model 27:487
- Protein-Solution 5:77

Carbon-Electrode
- Adsorbed 19:581
- Capsule 45:275
- Cyclic-Voltammetry 9:357
- Deoxyribonucleic-Acid 7:793
- Electrochemical-Transformation 19:581
- Melatonin 45:275
- Nucleic-Acid 8:437
- Oxalic-Acid 9:357
- Oxidation 7:793
- Protein 19:581
- Sample-Quality 7:793
- Voltammetry 8:437, 45:275

Carbon-Fiber-Electrode 38:247
Carbon-Fibre
- |Supported-» 47:39

Carbon-Material 12:297
Carbon-Nanotube-Electrode 41:121
Carbon–Nitrogen-Bond
- Cyclic-Aminoketone 4:195
- Electrochemical-Splitting 4:195
- Folic-Acid 11:467
- High-Biological-Activity 4:195

Carbon-Paste 34:123
Carbon-Paste-Electrode
- Adsorptive-Extractive-Stripping-Voltammetry 14:457
- Adsorptive-Stripping-Potentiometry 40:41
- Adsorptive-Stripping-Voltammetry 38:389
- Antiinflammatory 24:155
- Characterization 28:117
- Cobalt(II)-Cyclohexylbutyrate 26:469
- Colloidal-Gold 38:389
- Cysteine 26:469
- C_{60} 48:95

- Double-Layer-Capacitance 48:163
- Drug 23:167, 24:155
- Electrochemical-Determination 45:227
- Electrooxidation 24:155
- Enzyme 28:117
- Flow-System 45:227
- Fragile 28:117
- Fullerene 48:95
- Glucose 47:67
- Immobilized 28:117
- Immunogold 38:389
- Lipid-Modified 23:167
- Low-Frequency-Impedance 48:163
- Measurement 48:163
- Membrane-Covered 45:227
- Microperoxidase 45:227
- Modeling 48:163
- Oxidase 47:67
- Peroxidase 45:227
- Phenothiazine-Compound 14:457
- Photoinduced-Electron-Transfer 48:95
- Piroxicam 24:155
- Plasmid-DNA 40:41
- Preconcentration 12:225
- Preparation 28:117, 48:95
- Reconstituted 47:67
- Solar-Cell 48:95
- Surface-Phenomena 48:163
- Synthetic-Chlorophyll-Analogue 48:95
- Tenoxicam 24:155
- Trace-Measurement 40:41
- Uric-Acid 12:225
- Voltammetry 26:469

Carbon-Paste-Electrode |Chemically-Modified-» 31:229

Carbon-Paste-Electrode |Modified-»
- Antibiotics 38:91
- Aqueous-Biological-Media 27:465, 38:91
- Brain-Tissue 41:101
- Cephalosporin 38:91
- Folic-Acid 27:465
- Origin 41:101
- Palmitic-Acid 27:465
- Performance 41:101
- Stearic-Acid 27:465, 41:101
- Surfactant 41:101
- Vitamin-B9 27:465

Carbon-Paste-Graphite-Electrode |Modified-» 39:139

Carbonic-Anhydrase
- Cadmium 22:299
- Carbon-Dioxide 23:361
- Carbon-Dioxide-Transport 27:487
- Carboxypeptidase 22:299
- Copper 22:299
- Decarboxylating-Enzyme 48:463
- Differential-Pulse-Polarography 22:299
- Facilitated-Diffusion 23:361
- GABA 27:487
- Homeostasis 27:487
- In-Vitro 27:487
- Interaction 48:463
- Metallotropic-Form 22:299
- Model 27:487
- Respiration 23:361
- Saccharomyces-Cerevisiae 23:361
- Zinc 22:299

Carbonyl-Compound 7:333

Carboxylatodirhodium 5:741

Carboxylic-Group 12:235

Carboxylic-Ionophore 12:63

Carboxymethylagar 32:181

Carboxypeptidase 22:299

Carcinogenesis 15:305

Carcinogenicity 48:129

Carcinogenity 36:137

Cardiac-Activity 30:303

Cardiac-Membrane 1:200

Cardiolipin 20:73

Carotenoid 16:55

Carrageenin-Edema 14:57

Carrier-System 7:553

Cartilage-Matrix 37:25

Catalase
- Concerted-Synthesis 19:541
- Nucleotide-Triphosphate 19:541
- Peroxidase 2:177
- Plant-Photosystem 2:177
- Thylakoid-Behavior 2:177

Catalase-Deficiency 18:271

Catalysis
- Artificial-Electron-Acceptor 46:185
- H^+-ATP-Synthase 33:31
- Modified-Electrode 46:185
- Modified-Platinum-Surface 12:485
- Monoamine-Oxidase 46:185
- Monosaccharide 12:485
- Oxidation 12:485
- Regulation 33:31
- Rhodobacter-Capsulatus 33:31
- Transmembrane-Proton-Gradient 33:31
- Underpotential-Submonolayer 12:485

Catalyst
- Bioelectrocatalysis 4:314
- Complex 10:485
- Ethioporphyrin 10:485
- Hydrogen-Ionization 4:314
- Hydrogenase 4:314
- NADH 10:485
- Octane/Water-Interface 10:485
- Oxidation 10:485
- Reduction 10:485
- Vitamin-K3 10:485

Catalyst-Binder 8:115

Catalyst-Concentration 4:54

Catalytic-Activity 8:257

Catalytic-Capability 29:127

Catalytic-Current
- Bovine-Hemoglobin 8:141
- Brdicka-Type 17:71
- Correlation 8:141
- Hemoglobin 9:419, 17:71
- Human-Hemoglobin 8:141
- Indication 17:71
- Linear-Dependence 9:419
- Number-of-SH-Groups 9:419
- pH-Dependence 17:71
- Polarography 8:141, 9:419
- Quaternary-Structure-Change 17:71
- SH-Group-Content 8:141

Catalytic-Mechanism 38:397

Catalytic-Nature 36:47

Catalytic-Property
- Adsorption 10:477
- Allosteric-Property 1:67
- Copper 1:67
- Enzymic-Heme 1:67
- Iron-Coproporphyrin-III-Complex 10:477
- Octane/Water-Interface 10:477
- Tryptophan-Dioxygenase 1:67

Catalyzed
- Active-Oxygen 18:171
- Ascorbic-Acid 18:171
- ATP-Hydrolysis 7:353
- Belousov–Zhabotinsky-System 15:485
- Bimolecular-Lipid-Membrane 7:353
- Cytochrome 1:448
- Degraded-Species 18:171
- Electric-Charge 7:353
- Electron-Transfer 1:448
- Experiment 15:485
- Ferroin 15:485
- Flavodoxin 38:21
- Flux 7:353
- Glutamate-Synthase 38:21
- Linoleic-Acid 18:171
- Mechanism 1:448
- Monoraphidium-Braunii 38:21
- Na-K-ATPase 7:353
- Peroxidation 18:171
- Reaction 38:21
- Theoretical-Pattern 15:485

Catechol-Ester 7:11

Catechol-Phosphate 10:427

Catecholamine
- Adsorbed-Metal 10:251
- Anodic-Oxidation 10:251
- Biological-Component 10:251
- Catalytic-Oxidation 10:251
- Electrochemical-Property 7:741
- Glucose-Oxidase/Glucose-System 38:307
- Mediator 38:307
- Melanin 7:741
- Modified-Platinum-Electrode 10:251

Catecholamine-Type-Messenger 46:297

Catecholaminergic-Transmission 38:247

Catharanthus-Roseus 25:213

Cation
- Alternating-Current-Polarography 7:459
- Binding 5:116
- Charge-Transfer 7:459
- Cholesterol 8:371
- Electromagnetic-Field 38:161
- Electrosorption 7:459
- Even-Harmonic-Tuning 38:161
- Homologous 7:459
- Interaction 8:371, 38:161
- Ion-Cyclotron 38:161
- Lecithin 7:459, 8:371
- Mixed-Lipid-Liposome 8:371
- Model-Membrane 7:459
- Odd-Harmonic-Tuning 38:161
- Phosphatidylserine 5:116
- Resonance-Theory 38:161
- Vesicle 5:116

Cation-Exchange-Membrane
- Characterisation 2:293
- Concentration-Polarisation 2:304
- Concentration-Profile 2:293
- Constant-Current-Density 2:293
- Current-Density 2:304
- Current-Induced-Diffusion-Layer 2:293, 2:304
- Diffusion-Layer-Thickness 2:304
- Local-Behavior 2:293
- Quantitative 2:293
- Quantitative-Characterisation 2:304
- Temporal-Behavior 2:293

Cation-Ionophore 6:105

Cation-Response 9:733

Cationic-Drug 15:497

Cationic-Ionophore
- Equilibrium 17:231
- Human-Erythrocyte 17:231
- Human-Erythrocyte-Suspension 17:223
- Ionic-Equilibria 17:223
- Isotonic-Unbuffered-Media 17:223, 17:231
- Membrane-Potential 17:231
- Model 17:223
- Osmotic-Equilibria 17:223
- Potassium-Chloride 17:223, 17:231
- Sodium-Chloride 17:223, 17:231
- Sucrose 17:223, 17:231
- Suspension 17:231
- Triton 17:231

Cationic-Medium 26:457

Cationic-Pump 4:225

Cavity-Resonator 37:17

Cavity-Resonator |Rectangular-» 37:01

Cd_4Ly |Human-» 41:181

Ceftriaxone 26:485

Cell
- Coherence-Time-Effect 46:301
- Cyanine-Dye 28:221
- Electromagnetic-Field 30:161, 46:301
- Electromagnetic-Field-Effect 30:85
- Endocytotic-Like-Process 42:275
- Environmental 30:161
- Exogenous-Field 48:35
- Experiment 44:141
- Extremely-Low-Frequency-Electric-Field 44:141
- Extremely-Low-Frequency-Electromagnetic-Field 25:335
- Fluorescence-Signal 44:141
- Fluorescent-Probe 28:221
- In-Situ 44:141
- Incorporation 42:275
- Increase 46:301
- Increased-Level 33:115
- Induction 42:275
- Initial-State 48:35
- Interaction 27:255
- Intramembrane-Field 26:131
- Low-Electric-Field 42:275
- Low-Frequency-Electromagnetic-Field 33:115
- Macromolecule 42:275
- Measurement 44:141
- Membrane-Potential 28:221
- Model 30:85
- Na-K-ATPase 30:85

- Ornithine-Decarboxylase 46:301
- Sensitivity 30:161, 48:35
- Stabilization-System 26:131
- Target-System 48:35
- Therapeutic 30:161
- Tissue 30:161, 48:35
- Transcript 33:115
- Transcription 25:335
- Translation 25:335
- Vesicle 42:275
- Weak-Electromagnetic-Field 27:255

Cell-Biology
- Low-Frequency-Weak-Electromagnetic-Field 38:153
- Weak-Electromagnetic-Field 48:355

Cell–Cell-Interaction
- Iso-Electrofusion 48:423
- Physical-Approach 40:153
- Single-Pulse-Induced-Modulation 48:423
- Theory 48:423

Cell-Coat 39:31
Cell-Cultivation 47:301
Cell-Culture
- Anchorage-Dependent-Strain 19:49
- Cell-Growth 19:59
- Electrofusion 19:49, 19:59
- Fibroblast 35:99
- Large-Volume 19:49, 19:59
- Low-Level-Direct-Current 35:99
- Model 35:99
- Suspension 19:59
- Weak-Extremely-Low-Frequency-Electric-Field 14:99

Cell-Cycle 45:139
Cell-Cycle-Alteration 37:131
Cell-Electrofusion
- Electric-Field-Strength-Distribution 26:205
- Intermembrane-Contact 21:179
- Sample-Chamber 26:205

Cell-Electrophoresis 7:41
Cell-Free
- Calcium-Dependence 43:233
- Escherichia-Coli 43:07
- HeLa-Extract 43:07
- Magnetic-Field 43:07
- Modulation 43:233
- Myosin 43:233
- Phosphorylation 43:233
- Preparation 43:233
- Transcription 43:07
- Weak-Static-Magnetic-Field 43:233

Cell-Free-Electrostimulation 41:213
Cell-Free-Preparation 30:119
Cell-Fusion 12:119
Cell-Growth
- 60-Hz-Magnetic-Field 34:39, 39:175
- Anchorage-Independent 34:39, 39:175
- Cell-Culture 19:59
- Electrofusion 19:59
- Electrophoretic-Mobility 38:169
- Enhancement 34:39
- Flux-Density 39:175
- Frequency-Dependence 27:361
- Intensity-Dependent 27:361
- Large-Volume 19:59
- Microwave 27:361
- Nitrogen-Source 38:169
- Salt-Effect 38:169
- Suspension 19:59
- Synechococcus-Plasmalemma-Vesicle 38:169

Cell-Injury 23:325
Cell-Line-MCF7 30:127
Cell-Membrane
- Arthropod-Photoreceptor 3:151
- Bacteria 22:271
- Bacterial-Culture 46:65
- Biomagnetic-Stimulation 46:121
- Calcium-Ion 3:151
- Carrier-System 7:553
- Chemiluminescence 46:65
- Conducting-Polymer-Coated-Electrode 22:23
- Constraint 46:121
- Crayfish-Limulus 3:151
- Cultured-Cell 45:83
- Development 7:553
- DNA-Transfer 22:271
- Drug 7:553
- Electric-Field 7:553
- Electric-Impedance 45:83
- Electric-Injury 47:237
- Electrically-Stimulated-Rupture 22:23
- Electromediated-Permeabilization 34:157
- Electropermeabilization 38:129
- Electroporation 24:271, 26:01
- Energetics 15:447
- Enzyme-System 15:447
- Experiment 3:151
- External-Electrical-Field 3:58
- Field-Induced-Electroconformational-Damage 47:237
- Frog-Skeletal-Muscle 34:157
- High-Electric-Field 7:723
- In-Vivo 45:83
- Interfacial-Tension 46:199
- Intracellular 15:447
- Ion-Channel 34:157
- Kinetics 26:01
- Lipid-Bilayer 7:723
- Long-Lived-Alteration 38:129
- Magnetic-Particle 46:121
- Measurement 45:83
- Mechanical-Interference 46:121
- Mechanism 47:237
- Modeling 46:199
- Molecular-Change 46:121
- Multifunctional-Microelectrode-System 45:83
- Nerve 3:319
- Outward-Current 3:319
- Peripheral-Blood 38:129
- Phagocyte 38:129
- Pore 26:01
- Pore-Creation 46:121
- Protein 47:237
- Relaxation 7:723
- Resealing 26:01
- Sequence 15:447
- Tobacco 45:83
- Transductive-Coupling 15:447
- Transient-Magnetic-Field 46:121
- Two-Component-Bilayer-Lipid-Membrane 46:199
- Viability 38:129
- Visual-Cell 3:151
- Voltage-Gated 34:157

Cell-Membrane
|Nonlinear-» 14:13
Cell-Membrane-Permeability 10:335
Cell-Membrane-Potential 17:419
Cell-Metabolism
- Bioanalytical-Application 48:217
- Electrostimulation 31:01
- Low-Frequency-Electric-Field 31:01
- Low-Frequency-Electromagnetic-Field 31:01
- Mammalian-Tumor-Cell 48:217
- Voltammetry 48:217

Cell-Microtubule 48:273
Cell-Model 44:169
Cell-Morphology 6:413
Cell-Parameter-Change 10:467
Cell-Potassium-Activity 8:575
Cell-Potential-Change 9:325
Cell-Process 20:143
Cell-Proliferation
- 100-Hz-Pulsed-Magnetic-Field 43:77
- 50-Hz-Magnetic-Field 30:143
- Cultured-Mammalian-Cell 30:143
- Cyclic-AMP 30:143
- DNA-Synthesis 25:325
- Electric-Field 30:143
- Electroporation 25:325
- Human-Cell-Grown-Monolayer 25:325
- Human-Lymphocyte 43:77
- Increase 43:77
- Micronucleus-Frequency 43:77
- Nonthermal-Effect 48:177
- Radiofrequency-Field 48:177

Cell-Proliferation-Change
- Electromagnetic-Noise 40:193
- Environmental 36:109, 44:251
- Extremely-Low-Frequency-Electromagnetic-Field 36:109
- Extremely-Low-Frequency-Magnetic-Field 40:193
- Microwave-Radiation 44:251
- Minimizing-Effect 40:193
- Nonionizing-Radiation 36:109, 44:251

Cell-Response
- Amplitude 33:19
- Cooperativity 37:85
- Correlation 33:19
- Electric-Field 33:19
- Escherichia-Coli 37:85
- Fluctuation 33:19
- Magnetic-Field 33:19
- Plasma-Membrane 33:19
- Resonance-Effect 37:85
- Weak-Extremely-Low-Frequency-Electromagnetic-Field 37:85

Cell-Silicon-Hybrid 46:215
Cell-Size-Distribution 25:195
Cell-Surface
- Adhesiveness 8:293
- Animal-Cell 6:543
- Calcium-Ion 12:177
- Distribution 6:543
- Electric-Potential 6:543
- Electric-Structure 8:293
- Electrokinetic-Property 6:543
- Electromagnetically-Induced-Displacement 12:177
- Electrophoresis 6:543, 7:31
- Electrostatic-Influence 12:177
- Experiment 7:31
- Steric-Structure 8:293
- Surface-Coat 6:543
- Theory 7:31

Cell-Surface-Charge 5:168
Cell-Surface-Charge-Change 22:127
Cell-Suspension
- Active-Maintenance 7:371
- Beta-Dielectric-Dispersion 25:195
- Cell-Size-Distribution 25:195
- Cole–Cole-Alpha 25:195
- Colloid-Disperse-System 6:03, 6:11
- Constant-Buffering-Capacity 7:371
- Dielectric-Property 28:319
- Electrolyte 6:03, 6:11
- Fraction 28:319
- High-Volume 28:319
- Mean-Activity-Coefficient 6:03, 6:11
- Measurement 6:03, 6:11
- Measuring-Principle 6:03
- pH 6:03, 6:11
- Sodium-Chloride–Human-Serum-Albumin-Solution 6:11
- Transference-Number 6:03, 6:11

Cell-Volume-Fraction 47:81
Cellular-Automata 41:63
Cellular-Electrophysiology 2:198
Cellular-Energy
- Acinar-Cell 38:377
- Electric-Field-Induced-Oscillation 21:319
- Electroconformational-Coupling 21:319
- Electropulsation 38:377
- Enzyme 21:319
- Membrane-Perforation 38:377
- Rat-Pancreas 38:377
- Reversible 38:377
- Signal-Transduction 21:319

Cellular-Ion-Route 3:92
Cellular-Level 41:03
Cellular-Membrane 18:187
Cellular-Oscillator 22:01
Cellular-Pathway 44:169
Cellular-Property 40:187
Cellular-Shunt 13:39
Cellular-Telephone 45:103
Cellular-Work
- Actomyosin 6:135, 6:323
- ATPase-Induced-Increase 6:323
- Light-Scattering 6:123, 6:135
- Measurement 6:123, 6:135
- Microviscosity 6:323
- Performance 6:123, 6:135, 6:323

- Sarcoplasmic-Reticulum 6:123, 6:323
- Vesicle 6:123
- Vesicle-Suspension 6:323
- Water 6:123, 6:135, 6:323

Cellulase 32:89
Cellulose-Membrane 3:189
Cellulosic-Cation-Membrane 15:113
Celomic-Cell 40:59
Celomocyte 24:249
Central-Nervous-System 48:343
Centrifugal 24:33
Cephalosporin 38:91
Cephalosporin-Antibiotics 26:485
Cephradine 33:201
Cerebral 18:307
Cerium(III) 12:475
Ceruloplasmin 15:407
Cetyltrimethylammonium-Bromide 9:23
CFTR-Gene 48:415
Chain-Length-Dependence 17:509
Changing
- Carbon-Dioxide-Stress 33:67
- Efficacy-Improvement 39:61
- Electric-Connection 33:67
- Electrochemical-Connection 33:67
- Electrochemotherapy 39:61
- Electrode-Orientation 39:61
- Intracellular-Potential 33:67
- Leaf-Cell 33:67
- Mouse 39:61
- Solid-Tumor 39:61
- Tradescantia-Virginiana 33:67

Channel
- Bilayer-Lipid-Membrane 42:187
- Electrochemical-Technique 42:187
- Gramicidin 24:297
- Identification 42:187
- Kinetics 24:297
- Liposome 24:297
- Membrane-Process 42:187

Channel-Closing 31:323
Channel-Opening 31:323
Channel-Process 38:275
Channel-Protein 12:341
Chara-Corallina
- Chlorophyll 17:165
- Dinitrophenol 17:165
- Fluorescence 17:165
- Internodal-Cell 17:131, 17:165
- Low-Level-Transient 17:131
- Membrane-Impedance 17:131
- Membrane-Potential 17:165
- Membrane-Resistance 17:165
- pH 17:165

Characterisation 2:293
Characteristic-Inhibition 5:168
Characteristic-Intensity 8:709
Characteristics
- Anaerobically-Grown-Cell 39:13
- Biofuel-Cell 3:139
- Capacitance 44:163
- Comparison 39:13
- Construction 3:139
- Culture-Medium 29:277
- Electrode 3:139
- Energy-Dependent 39:13
- Escherichia-Coli 39:13
- Glucose 3:139
- Glucose-Oxidase 42:63
- Glycolysis 39:13
- Gold-Electrode 44:163
- Lipoprotein 29:277
- Low-Density 29:277
- Nitrate/Nitrite-Respiration 39:13
- Oxidizing-Ability 29:277
- Performance 3:139
- Potassium-Accumulation 39:13
- Potassium-Uptake 39:13
- Respiratory-Chain 39:13
- Self-Assembled-Monolayer 44:163
- Surface 42:63

Characterization
- Absolute-Method 9:207
- Adhesiveness 9:207
- Bioelectrochemical-Interface 42:15
- Cadmium-Zinc-Metallothionein 46:45
- Carbon-Paste-Electrode 28:117
- Conversion 21:99
- Cultured 38:255
- Differential-Pulse-Polarography 46:45
- Electrochemically-Oxidizable-Component 18:137
- Enzyme 21:99, 28:117
- Erythrocyte 9:207
- Experiment 21:99
- Fragile 28:117
- Human-Adult-Kidney 46:45
- Immobilized 28:117
- Interfacing 38:255
- Neuron 38:255
- Neuron-to-Microelectrode-Junction 38:255
- Normal 18:137
- Packed-Bed 21:99
- Pathological 18:137
- Planar-Substrate-Microelectrode 38:255
- Preparation 28:117
- Reactor 21:99
- Self-Assembled-Monolayer 42:15
- Tissue-Culture-Cell 9:207
- Urine 18:137
- X-Ray-Photoelectron-Spectroscopy 42:15

Charge |Discrete-» 11:231
Charge |Negative-» 26:321
Charge-Carrier 16:479
Charge–Discharge-Transition 38:367
Charge-Injection 2:13
Charge-Motion 15:437
Charge-Pulse 11:37
Charge-Recombination 38:25
Charge-State 48:397
Charge-Transfer
- Alkylating-Agent 15:305
- Alternating-Current-Polarography 7:459
- Benzodiazepine 16:407
- Benzodiazepine-Iminium 16:407
- Biological-System 41:43
- Calculation 48:397
- Carcinogenesis 15:305
- Cation 7:459
- Charge-State 48:397
- Complexation 32:01
- Correlation 16:407
- Drug-Activity 16:407
- Electrochemical-Potential 32:01
- Electrosorption 7:459
- Energy-Transfer 41:43
- Free-Energy 48:397
- Homologous 7:459
- Intraprotein-Electric-Field 48:397
- Lecithin 7:459
- Mechanism 15:305, 16:407
- Model-Membrane 7:459
- Protein-Structure 48:397
- Quinoid-System 32:01
- Redox-Membrane 5:671
- Reduction-Potential 16:407
- Self-Trapping-Mechanism 41:43
- Structure 16:407

Charge-Transfer |Electrochemical-» 19:227
Charge-Transfer-Complex |Conductive-» 8:103
Charge-Transport-Process 40:197
Charge-Trasfer-Interaction 2:163
Charged-Interface
- Adenosine 24:179
- Adsorption 16:485, 24:165, 24:179
- Adsorption-Stage 8:671, 11:457, 12:205
- Association 8:671, 11:457, 12:205, 16:485, 24:165, 24:179
- Biosynthetic-Polynucleotide 3:440
- Comparative-Study 24:165
- Cytidine 16:485
- Cytidine-Diphosphate 16:485
- Cytidine-Monophosphate 16:485
- Deconformation 3:440
- Dinucleotide 24:179
- Electrode/Solution-Interface 5:314
- Guanosine 8:671
- Guanosine-Diphosphate 16:497
- Guanosine-Monophosphate 16:497
- Guanosine-Triphosphate 16:497
- Interfacial-Behavior 16:497
- Mercury-Electrode 3:440
- Methylguanosine 11:457, 12:205
- Model 5:314
- Native-DNA 3:440
- Natural-Polynucleotide 3:440
- Nucleic-Acid 5:314
- pH 16:485
- Solution 8:671, 11:457, 12:205, 16:497
- Thymidine 24:165
- Thymine 24:165
- Varying-pH 8:671, 11:457, 12:205, 16:497

Charged-Interface |Biological-» 5:185
Charged-Membrane/Water-Interface 26:63
Charged-Substrate 24:215
Charged-Surface
- Contact 1:293
- DNA 7:317
- Double-Helix 7:317
- Electrode-Noise 1:293
- Information-Source 1:293
- Interaction 7:317
- Mercury-Electrode 7:317
- Nucleic-Acid 7:317
- pH-Dependence 7:317
- Potential-Dependence 7:317
- Sperm-Cell 1:293
- Structural-Change 7:317

Charged-Surface |Negatively-» 11:245
Chattonella-Antiqua 29:143
Chelatable-Iron 42:169
Chelation 12:475
Chemical-Correlation 10:119
Chemical-Coupling
- ATP-Production 9:299, 12:167
- Comparison 9:299
- Electrochemical-Data 9:299
- Energetics 9:299
- Oxygen 12:167
- Oxygen-Reduction 9:299
- Reduction 12:167

Chemical-Damage 28:483
Chemical-Energy 5:134
Chemical-Modification 15:371
Chemical-Nature 11:245
Chemical-Oxidation 1:96
Chemical-Promotion 34:115
Chemical-Reaction
- Membrane 6:451
- Oil/Water-Interface 9:583
- Oscillating-Potential-Difference 9:583
- Unusual-Form 6:451
- Variation 9:583

Chemical-Reaction |Biomembrane-Induced-» 5:780
Chemical-Reaction |Membrane-Induced-» 5:401
Chemical-Reduction 18:13
Chemical-Transformation 10:199
Chemical-Treatment 40:159
Chemically-Driven 20:223
Chemically-Treated 34:129
Chemiluminescence
- Analog 41:205
- Bacterial-Culture 46:59, 46:65
- Bacteriophage 46:59
- Biosystem 28:483
- Calcium-Ion 22:37
- Cell-Membrane 46:65
- Chemical-Damage 28:483
- Cypridina 41:205
- Electrogeneration 41:205
- Interaction 27:53
- Luciferin 41:205
- Lucigenin 44:77
- Magnesium-Ion 22:37
- Mass-Lysis 46:59
- Mechanical-Damage 28:483
- Pattern 46:59
- Phagocyte-Induced-Electroporation 22:37
- Plant 28:483
- Red-Cell-Membrane 27:53
- Saccharomyces-Cerevisiae 44:77
- Stress-Induced-Electromagnetic-Emission 28:483
- Superoxide-Ion 41:205

• Thiol-Compound 27:53
Chemiluminescence |Low-Level-» 48:375
Chemiosmotic-Coupling 13:401
Chemiosmotic-Energy 15:193
Chemiosmotic-Proton-Circuit 43:115
Chemotaxis 10:499
Chemotherapy 36:83
Chick-Embryo
• Bioelectromagnetics 48:209
• Confounding-Factor 48:209
• Field-Induced-Anoxia 48:209
• Flock-Dependence 48:209
• Genetics 48:209
• Low-Frequency-Electromagnetic-Field 43:91
• Ornithine-Decarboxylase 43:91
• Protection 48:209
Chick-Small-Intestine 25:437
Chinese-Hamster 47:97
Chinese-Hamster-Cell 26:335
Chinese-Hamster-Ovary-Cell 48:17
Chiral-Electrode 7:693
Chlordiazepoxide 16:471
Chlorella-Marina 48:61
Chloride-Ion
• Adsorption 12:137
• Anion-Equilibration 15:67
• Association 12:137
• Bromide-Ion 12:137
• Cytosine 12:137
• Human-Erythrocyte 15:67
• Iodide-Ion 12:137
• Kinetics 15:67
• Low-Concentration 15:67
• Mercury-Electrode 12:137
• Phosphate-Containing-Media 15:67
Chloride-Ion-Selective-Microelectrode 22:411
Chloride-Ion-Transport-Blocker 45:193
Chloro-Deoxyadenosine 39:241
Chloroferriprotoporphyrin
• DMF–Water-Mixture 5:25, 5:420
Chlorophenacyl-Inhibitor 4:225
Chlorophyll
• Acetone 23:301
• Adsorbed 7:309, 11:167, 12:15
• Adsorption-Layer 6:155
• Aggregation 23:301
• Analog 9:79
• Artificial 38:333
• Artificial-Membrane 9:79
• Chara-Corallina 17:165
• Cytochrome 38:15
• Dinitrophenol 17:165
• Electrochemical-Characterization 23:311
• Electrochemical-Interaction 38:15
• Electrochemical-Oxidation 22:75
• Electrode 7:309
• Excitation 23:301
• Fluorescence 17:165, 23:301
• Interface 12:15
• Internodal-Cell 17:165
• Light-Energy-Conversion 38:333
• Liposome 9:79
• Mechanism 12:15
• Membrane-Potential 17:165
• Membrane-Resistance 17:165
• Monolayer 38:333
• Octane/Water-Interface 11:167
• Optically-Transparent 38:333
• Oxygen-Evolution 11:167
• pH 17:165
• Pheophytin 7:309, 38:333
• Photo-Electrochemical-Property 9:79
• Photooxidation 12:15
• Photosynthesis 38:333
• Platinum-Electrode 22:75
• Polarography 23:301
• Spectral-Property 9:79
• Spectroscopic-Characterization 23:311
• Spectroscopy 7:309
• Thin-Film 22:75
• Tin-Dioxide-Electrode 22:75, 38:333
• Trace-Amount 23:301
• Water 23:301
• Water–Organic-Solvent-Mixture 23:311
• Water-Sensitized 12:15
• Wavelength-Selected 23:301
Chlorophyll |Hydrated-» 29:305
Chlorophyll |Water-Bounded-» 17:17
Chlorophyll-Analogue |Synthetic-» 48:95
Chlorophyll-Interface 4:68
Chlorophyll-Monolayer 7:247
Chloroplast
• Activation 16:111
• ADP 24:215
• Affinity 24:215
• Amine 12:63
• ATPase 16:111
• Band-Shift 16:55
• Calibration 16:55
• Carboxylic-Ionophore 12:63
• Carotenoid 16:55
• Charged-Substrate 24:215
• Closed-Thylakoid 48:141
• Component 48:141
• Cytochrome 10:413
• Diffusion-Potential 16:55
• Dimension 13:453
• Electric-Charge 13:117
• Electric-Polarizability 13:453
• Electro-Optical-Study 13:453
• External-Membrane-Potential 16:55
• Flash-Induced-Conductance-Change 43:41
• Fragment 13:453
• Interconversion 10:413
• Ionic-Composition 24:215
• Light-Induced-Swelling 46:71
• Low-Concentration 12:63
• Membrane-Bound-ATPase 24:215
• Membrane-Surface 13:117
• Outward-Photocurrent 48:141
• Oxonol-VI 16:55
• Patch-Clamp 43:41
• Peperomia-Metallica 48:141
• pH-Dependence 13:117
• pH-Dependent 10:413
• Phosphorylation-Potential 12:63
• Phosphorylation-Rate 12:63
• Photocurrent 46:71
• Photophosphorylation 12:63
• Photosynthetic-Membrane 13:117
• Proteo-Liposome 16:55
• Proton-Motive-Force 12:63
• Recording-Configuration 48:141
• Redox-Form 10:413
• Stimulation 46:71
• Sub-Chloroplast 13:453
• Surface-Potential 24:215
• Temperature-Inactivation 13:117
• Thylakoid-Lamellae 43:41
• Thylakoid-System 46:71
• Uncoupler-Induced-Stimulation 12:63
Chloroplast |Entrapped-Platinized-» 21:171
Chloroplast |Pea-» 25:31
Chloroplast-Like 38:35
Chloroplast-Membrane |Pea-» 27:27
Chloroplast-Spread 7:167
Chloroplast-Thylakoid
• Dielectric-Spectroscopy 16:45
• Electrochemical-Phenomena 1:408
• Energy-Coupling-Membrane 16:45
• Light-Reaction 1:408
Chlorpromazine 33:101
Cholate-Aggregate 29:91
Cholate-Anion 29:223
Cholera-Toxin-Complex 22:365
Cholesterol
• Amperometry 11:307
• Cation 8:371
• Electrode 11:307
• Enzyme 11:307
• Interaction 8:371
• Lecithin 8:371
• Mixed-Lipid-Liposome 8:371
• Sequence 11:307
Cholic-Acid 19:263
Choline-Oxidase 46:39
Chromaffin-Cell 46:297
Chromatin
• Acridine-Orange-Stain 8:387
• Electrochemical-Feature 8:189
• Electrochemically-Induced-Reactivation 8:387, 9:645
• Feulgen-Stain 9:645
• Flow-Cytometry 8:387
• Image-Cytometry 9:645
• Model 8:189
Chromatium-Vinosum 26:123
Chromatophore
• Calibration 7:575
• Electrochromic-Absorbance-Change 7:575
• High-Concentration 26:117
• Photocell 26:117
• Rhodopseudomonas-Capsulata 7:575
Chromatophore-Film 43:71
Chromosomal-Aberration 30:319
Chromosome
• Drosophila-Melanogaster 28:311, 31:39
• Low-Frequency-Electromagnetic-Field 28:311, 31:39
• Salivary-Gland-Cell 28:311, 31:39
• Transcription-Change 28:311, 31:39
Chromosome-Aberration 36:01
Chronic-Benign-Pain 14:241
Chronic-Dietary-Iron-Overload 42:169
Chronic-Exposure 38:173
Chronic-Low-Back-Pain 14:187
Chronic-Wound-Healing
• Clinical-Study 43:265
• Distribution 43:265
• Electric-Field 43:265
• Electric-Stimulation 43:265, 43:271
• Enhancement 43:265, 43:271
• Numerical-Modeling 43:271
• Numerical-Wound-Model 43:265
• Parameter-Determination 43:271
Chronoamperometry 12:575
Chronopotentiometric-Impedance-Measurement 1:329
Chronopotentiometry 44:65
Chymotrypsin 19:39
Ciliary-Stimulation 42:133
Cinnamic-Acid 27:441
Circadian-Rhythm 45:111
Circuit-Analysis
• Calculation 4:287
• Concentration-Dependent 4:287
• Conductance 4:287
• Epithelial-Ion-Transport 4:275, 4:287
• Network-Equation 4:275
• Voltage-Dependent 4:287
Circular-Dichroic-Spectroelectrochemistry 31:301
Circular-Dichroism
• Bilirubin 34:141
• Bound 2:93
• Electron-Paramagnetic-Resonance-Spectroscopy 2:93
• Human-Serum-Albumin 34:141
• In-Situ 34:141
• Iron-Sulfur-Protein 2:93
• Monitoring 2:93
• Potentiometric-Titration 2:93
• Soluble 2:93
• UV-Visible-Spectroelectrochemistry 34:141
Circular-Dichroism |Electronic-» 41:77
Circular-Dichroism |Vibrational-» 41:77
Circularly-Polarized-Millimeter-Wave 31:49
Cisplatin 21:199
Clamped-Ionic-Gradient 6:289
Classification 48:69
Clausius–Mossotti-Polarization-Factor 38:321
Cleavage |Electron-Transfer-Induced-» 1:29
Clinical-Application 48:171
Clinical-Implication 32:187
Clinical-Study 43:265
Closed-Loop 42:227
Clostridium-Butyricum 11:273

Clostridium-Pasteurianum 12:575
Clostridium-Sporogene
• Electroanalysis 20:21
• Electromicrobial-Transformation 21:245
• Electrosynthesis 20:21
• Pyruvate-Synthase-System 21:245
Clostridium-Thermocellum 12:509
Clotting 24:313
Cloxacillin 11:425
Cluster 12:575
Co-Operative-Interaction 19:77
Co-Stressing-Factor 40:21
Coaxial 7:363
Cobalt(II) 6:337
Cobalt(II)-Chlorophyll 40:257
Cobalt(II)-Cyclohexylbutyrate 26:469
Cobalt-Carbon-Bond 1:29
Cobalt-Ion-Concentration 9:253
Coenzyme
• Adenine 14:503
• Adenine-Nucleotide 12:279
• Adsorbed 26:307
• Analog 33:181
• Basic-Condition 23:227
• Cathodic-Stripping-Voltammetry 12:279
• Dropping-Mercury-Electrode 12:279
• Electrochemical-Reduction 14:503
• Electrochemical-Spectroscopy 33:181
• Flavin 26:307
• Interfacial-Electron-Transfer 26:307
• Methylguanine 33:181
• NAD 12:279
• NAD^+ 14:503, 33:181
• Neutral-Condition 23:227
• Participation 14:503
• Polyriboadenylic-Acid 12:279
• Pyrroloquinoline 23:227
• Quinone 23:227
• Redox-Transformation 33:181
• Reduction 14:503
• Riboflavin 26:307
• Spectroscopy 23:227
• Textured-Titanium-Dioxide-Film 26:307
• Voltammetry 23:227
Coenzyme-Group 4:01
Cofactor 43:55
Cofactor-Shuttle 31:271
Coherence-Time-Effect
• Cell 46:301
• Electromagnetic-Field 46:301, 46:303
• Increase 46:301
• Ornithine-Decarboxylase 46:301, 46:303
Coherent-Assembly 41:71
Coherent-State 41:19
Coherent-Vibration 48:267
Coil-Optimization 47:213
Cold-Condition 14:429
Cole–Cole-Alpha 25:195
Colicin 32:175
Collagen-Fibre 2:191
Collagen-Film 5:548
Collagen-Membrane 16:149
Collagen-Production 14:83
Collective-Excitation |Electric-Field-Modified-» 41:47
Collision-Frequency 35:33
Collodion–Oleic-Acid-Membrane
• Aerated-Potassium-Chloride-Solution 9:265
• Air-Saturated-Solution 6:427
• Biological-Process 6:427
• Experimental-Model 6:427
• Intervention 9:265
• Mechanism 9:265
• Methylene-Blue-Sensitized 6:427, 9:265
• Photoreaction 9:265
• Photosensitive-Lipid-Membrane 6:427, 9:265
• Photosensitization 6:427
• Singlet-Oxygen 9:265
Colloid-Disperse-System
• Cell-Suspension 6:03, 6:11
• Electrolyte 6:03, 6:11
• Mean-Activity-Coefficient 6:03, 6:11
• Measurement 6:03, 6:11
• Measuring-Principle 6:03
• pH 6:03, 6:11
• Sodium-Chloride–Human-Serum-Albumin-Solution 6:11
• Transference-Number 6:03, 6:11
Colloid-Osmotic-Hemolysis 34:31
Colloidal 16:125
Colloidal-Gold 38:389
Colonocyte |Human-» 44:169
Colored 8:179
Combination 36:83
Combined-Effect
• Circularly-Polarized-Millimeter-Wave 31:49
• Culture-Growth 31:49
• Different-Phase 31:49
• Escherichia-Coli 31:49
• Fibroblast 39:109
• Human-Skin 39:109
• Hyperthermia 39:109
• Measurement 39:109
• Photodynamic-Cell-Treatment 39:109
• Regularity 31:49
• Separate-Effect 31:49
• Transmembrane-Resting-Potential 39:109
Commercial-Equipment 35:127
Common-Brain-Stem-System 37:31
Compaction
• Adsorbed 8:167
• DNA 4:464, 8:167
• Electrode-Surface 4:464, 8:167
• Kinetics 4:464
• Model 8:167
• Pi-State 8:167
• Poly-Electrolyte 8:167
• Potential 8:167
Comparative-Analysis 33:11
Comparative-Study
• Acid-Solution 14:375
• Adatom 14:375
• Adenine–Nicotinamide-Dinucleotide 11:299
• Adsorption 11:299, 24:165
• Aminobutyric-Acid 28:367
• Amniotic-Membrane 9:517
• Anodic-Oxidation 14:375
• Artificial-Bilayer-Membrane 9:517
• Ascorbic-Acid 14:469
• Association 24:165
• Base-Line-Respiratory-Activity 35:19
• Biologically-Interesting-Compound 9:469
• Biosynthetic-Polynucleotide 1:487, 2:245
• Charged-Interface 24:165
• Denatured-DNA 1:487, 2:245
• Dihydroxyfumaric-Acid 14:469
• Electrocatalytic-Influence 14:375
• Electrochemical-Oxidation 28:367
• Electrochemical-Property 1:487, 2:245
• Electron-Transport 9:517
• Glucose 9:469
• Heavy-Metal 14:375
• Human-Epithelium 9:517
• In-Vitro 9:517
• Interfacial-Behavior 38:359
• Low-Amplitude-Swept-Frequency-Magnetic-Field 35:19
• Mercury-Electrode 1:487, 2:245, 14:469
• Mercury/Solution-Interface 11:299
• Metabolic-Interference 35:19
• Millipore-Filter 9:517
• Monosaccharide 14:375
• NAD^+ 11:299
• Native-DNA 1:487, 2:245
• Natural-Polynucleotide 1:487, 2:245
• Neutral-Media 14:469
• Nucleic-Acid-Base 38:359
• Platinum 14:375, 28:367
• Standard-Electrode-System 19:491
• Surface 28:367
• Thio-Group 38:359
• Thymidine 24:165
• Thymine 24:165
• Two-Compartment-Cell 19:491
• Underpotential 14:375
Comparison
• Anaerobically-Grown-Cell 39:13
• Anion-Exchange 23:337
• Antibiotics 21:161
• Antitumor-Effectiveness 43:279
• ATP-Production 9:299
• ATP-Synthesis 16:167
• ATPase 16:167, 16:519
• Bacteria 24:203
• Bacterial-Electrode 21:223
• Biological-Tissue 35:115
• Bone 46:29
• Bovine-Pancreatic-Trypsin 10:57
• Bovine-Serum-Albumin 10:57
• Calmodulin-Antagonist 16:519
• Catalase-Deficiency 18:271
• Centrifugal 24:33
• Characteristics 39:13
• Chemical-Coupling 9:299
• Complexity 16:167
• Conformation 41:77
• Cultured-Fibroblast 18:271
• Cysteine 48:43
• Cytochrome 11:319
• Dielectric-Behavior 23:337
• Dielectric-Relaxation 46:29
• Dimethyluric-Acid 44:201
• Direct-Current 5:459
• Efficiency 16:167
• Electric-Field 24:33
• Electrochemical-Data 9:299
• Electrochemical-Oxidation 9:39, 44:201
• Electrochemical-Property 11:319
• Electrochemical-Reactivity 48:43
• Electrochemotherapy 43:279
• Electromagnetic-Field-Parameter 35:115
• Electronic-Circular-Dichroism 41:77
• Electrorotation 23:337
• Embryonic-Sensory-Ganglia 5:459
• Energetics 9:299
• Energy-Dependent 8:613, 39:13
• Enzymatic 44:201
• Escherichia-Coli 8:613, 39:13
• Ethidium 16:519
• Fusion 24:33
• Glycolysis 39:13
• Goldman–Hodgkin–Katz-Equation 13:439
• Gram-Positive 21:161
• Growth-Factor 5:459
• Homocysteine 48:43
• Horse-Heart 11:319
• Human 18:271
• Human-Cell-Extract 18:271
• Human-Erythrocyte 23:337
• Immunocompetent 43:279
• Immunodeficient 43:279
• In-Vitro 5:459, 21:161
• Interaction 16:519
• Isothermal-2.45-GHz-Microwave-Radiation 39:167
• Isothermal-27-MHz-Radiofrequency-Radiation 39:167
• Keratin 46:29
• Lipoic-Acid 21:161
• LPB-Sarcoma 43:279
• Macrolide 21:161
• Mammalian-Cell-Cycle 39:167
• Membrane-Potential 8:613, 13:439
• Mercury-Electrode 48:43
• Miconazole 16:519
• Milk-Protein 41:77
• Minute-Level 5:459
• Mouse 43:279
• Nerve 5:459
• Nitrate/Nitrite-Respiration 39:13
• Nonuniform-Alternating-Electric-Field 24:203
• Numerical-Calculation 35:115
• Organism 21:161
• Oxygen-Reduction 9:299
• Peroxidase-Catalyzed 9:39
• pH 11:319
• Phenylalanine 21:223

- Plasmamembrane 16:519
- Potassium-Accumulation 8:613, 39:13
- Potassium-Efflux 16:519
- Potassium-Uptake 39:13
- Potentiometry 21:161
- Precancerous-Stage 18:271
- Preparation 21:223
- Protein 23:337
- Proteoliposome 16:167
- Proteus-Mirabilis 21:223
- Proteus-Vulgaris 21:223
- Pseudomonas-Aeruginosa 11:319
- Rat-Hepatocyte 24:33
- Respiratory-Chain 39:13
- Spectrophotometric-Property 11:319
- Squid-Axon 13:439
- Strontium-Uptake 16:519
- Surface-Diffusion-Potential-Equation 13:439
- Susceptibility 21:161
- SV40-Transformed 18:271
- Theory 23:337
- Uric-Acid 9:39
- Vanadium(V) 10:57
- Vibrational-Circular-Dichroism 41:77
- Xeroderma-Pigmentosum 18:271
- Yeast 16:519, 24:203

Compartmental-System 17:205

Competition
- Charge-Pulse 11:37
- Co-Operative-Interaction 19:77
- Hydrophobic-Anion 11:37
- Inorganic-Ion 11:37
- Large-Ionic-Ligand 19:77
- Lipid-Bilayer-Membrane 11:37
- Long-Range 19:77
- Model 19:77
- Polyion 19:77
- Site-Binding 19:77
- Small-Applied-Voltage 11:37
- Small-Ionic-Ligand 19:77
- Transfer 11:37

Complementary 5:635

Complex
- Alpha-Latrotoxin 17:361
- Anaerobically-Grown-Cell 27:367
- Anthracycline-Antibiotics 8:537
- Antitumor-Drug 19:145, 21:199
- Bacterial-Membrane 12:593
- Bio-Polymer 8:537
- Biological-Relevance 9:379
- Bowel-Cancer 13:103
- Calorimetry 9:379
- Catalyst 10:485
- Cisplatin 21:199
- Dielectric-Constant 13:103
- DNA 8:537, 19:145
- Donor–Acceptor-Interaction 9:379
- Dynamics 21:289
- Electric-Property 17:361
- Electron-Transfer-Reaction 21:289
- Electronic-Fluctuation 21:289
- Energy-Dependent 27:367
- Escherichia-Coli 27:367
- Ethioporphyrin 10:485
- Flavinmononucleotide 23:203
- Glucose-Oxidase-Electrode 23:203
- Human-Serum 13:103
- H^+-ATPase 12:593, 27:367
- Interaction 12:593, 27:367
- Interfacial-Behavior 21:199
- Membrane-Bound-Protein 21:289
- Mercury/Solution-Interface 21:199
- Metalloprotein 21:289
- Model 9:379
- NAD 9:379
- NADH 10:485
- Natural-Potassium-Ionophore 12:593
- Octane/Water-Interface 10:485
- Oxidation 10:485
- Patient 13:103
- Phenolic-Structure 9:379
- Planar-Lipid-Bilayer 17:361
- Platinum 19:145
- Polarography 8:537
- Potassium-Accumulation 27:367
- Protein 21:289
- Protein-Bound 13:103
- Purified 17:361
- Quantitative 9:379
- Receptor 17:361
- Reduction 10:485
- Sensitivity 23:203
- Spectroscopy 9:379
- Tetracyanoquinodimethane 23:203
- Tetrathiafulvalene 23:203
- Trideoxyribonucleotide 21:199
- Trk-Protein 27:367
- Vitamin-K3 10:485
- Water 13:103

Complex-Biophysical-Chemical-Therapy 27:341

Complex-Formation
- Amino-Acid 19:513
- Copper-Phenanthroline-Complex 9:627, 9:639
- Electrode-Behavior 9:627, 9:639
- Ligand 9:627, 9:639
- Nitrogen-Donor-Atom 9:627, 9:639
- Oxygen-Donor-Atom 9:627, 9:639
- Pi-Acid 9:627, 9:639
- Protein 19:513
- Secondary-Ligand 9:627, 9:639
- Silver 19:513
- Solution 9:627, 9:639
- Ternary-Complex 9:627, 9:639

Complex-Monolayer 12:375

Complexation
- Base 19:425, 19:441
- Cadmium 6:337
- Charge-Transfer 32:01
- Cobalt(II) 6:337
- Component 19:425
- Copper 6:337
- Electrochemical-Potential 32:01
- Helical-Transition 19:441
- Imidazole 6:337
- Manganese(II) 19:441
- Metallothionein 40:215
- Nickel 6:337, 19:441
- Nucleic-Acid 19:425
- Phosphate 19:425
- Physiological-Condition 6:337
- Polarography 19:441
- Potentiometry 6:337
- Proton 6:337
- Quinoid-System 32:01
- Square-Wave-Voltammetry 40:215
- Stacking-Interaction 19:441
- Transition-Metal-Ion 19:425
- Zinc 6:337, 40:215

Complexation-Parameter 11:173

Complexity 16:167

Component
- Atomic-Force-Microscopy 38:137
- Base 19:425
- Biological-Activity 38:137
- Blood 44:289
- Chloroplast 48:141
- Closed-Thylakoid 48:141
- Complexation 19:425
- Differential-Pulse-Polarography 11:449
- Fusion 38:137
- Incorporated 38:137
- Liposome 38:137
- Nucleic-Acid 11:449, 19:425
- Outward-Photocurrent 48:141
- Peperomia-Metallica 48:141
- Phosphate 19:425
- Proteoliposome 38:137
- Quartz-Crystal-Microbalance 38:137
- Recording-Configuration 48:141
- Solid-Substrate 38:137
- Surface-Plasmon-Resonance 38:137
- Transition-Metal-Ion 19:425

Component-Analysis
- Asparagine-212 33:151
- Aspartate-212 33:151
- Bacteriorhodopsin-Membrane 33:135, 33:143, 33:151, 37:91, 45:193
- Chloride-Ion-Transport-Blocker 45:193
- Divalent-Cation-Chelator 45:193
- Fast-Photoelectric-Signal 33:135, 33:143, 33:151, 37:91, 45:193
- Fluorescamine-Treatment 33:143
- Isolating-Component 37:91
- Low-pH 37:91
- Model 33:135, 33:143, 33:151, 37:91, 45:193
- Multilayer-Stacking 33:135
- Point-Mutation 33:151
- Polarity-Reversal 37:91
- Prolonged-Drying 33:135

Composite-Membrane 39:303

Computation 7:25

Computer 40:261

Computer-Simulation 9:679

Concanavalin-A 7:595

Concentrated-Mixture 27:509

Concentrated-Solution 17:489

Concentration-Dependent 4:287

Concentration-Polarisation 2:304

Concentration-Profile 2:293

Concerted-Synthesis 19:541

Conductance
- Amiloride 13:39
- Calculation 4:287
- Cellular-Shunt 13:39
- Circuit-Analysis 4:287
- Concentration-Dependent 4:287
- DNP 13:39
- Epithelial-Ion-Transport 4:287
- External-Anion 15:431
- Fructose 13:39
- Human-Amnion 13:39
- Isolated-Human-Amnion 15:431
- Lipid-Bilayer 2:01
- Ouabain 13:39
- Substitution 15:431
- TTFB 2:01
- Voltage–Current-Relationship 2:01
- Voltage-Dependent 4:287

Conductance-Change |Flash-Induced-» 43:41

Conducting-Mechanism 48:469

Conducting-Organic-Polymer-Electrode 38:229

Conducting-Polymer 38:411

Conducting-Polymer-Coated-Electrode 22:23

Conduction 15:229

Conductivity
- Cell-Volume-Fraction 47:81
- Dielectric-Permittivity 30:65
- Epidermis 30:65
- Human-Dermis 30:65
- In-Vitro 30:65
- Passive-Electric-Property-Change 47:81
- Red-Blood-Cell-Suspension 47:81
- Relaxation-Time-Distribution 47:81
- Tensor 30:65

Configuration 30:209

Conformation
- Adsorbed 1:478
- Adsorption 34:77
- Comparison 41:77
- Cytochrome 1:478
- Electronic-Circular-Dichroism 41:77
- Glycogen 1:478
- Mercury-Electrode 1:478
- Mercury-Electrode-Surface 34:77
- Methaemoglobin 1:478
- Metmyoglobin 1:478
- Milk-Protein 41:77
- Nucleotide 7:125
- Phosphorylase 1:478
- Poly-L-Lysine 1:478
- Polyribocytidylic-Acid 34:77
- Solution/Electrode-Interface 7:125
- Vibrational-Circular-Dichroism 41:77
- Voltammetry 34:77

Conformational-Change
- Adsorbent 11:245
- Base-Composition 11:245
- Bilayer-Lipid-Membrane 31:161
- Calcium-Binding 3:509
- Chemical-Nature 11:245
- Correlated-Electrostatic-Interaction 48:361
- Current 31:161

- DNA-Induced-Adsorption 11:245
- Fragment-1 13:211
- Human-Serum-Albumin 9:07
- Hydration 48:361
- Ion-Carrier 31:161
- Mercury/Solution-Interface 13:211
- Modulation 48:361
- Multilayer 48:361
- Negatively-Charged-Surface 11:245
- Phosphatidyl-Serine 48:361
- Photochromic 31:161
- Polarography 9:07
- Prothrombin 13:211
- Spectrin 3:509
- Spirobenzopyran 31:161
- Unfolding 9:07
- Urea 9:07

Conformational-State 27:405
Conformational-Transition
- Bromopyrogal-Red 39:95
- Cytochrome 39:95
- Cytochrome-Oxidase 15:79
- Dynamic-Spectroelectrochemical-Measurement 39:95
- Regulation 15:79

Confounding-Factor 48:209
Connective-Tissue
- Biological-Understanding 22:241
- Collagen-Production 14:83
- Culture 14:83
- Enhancement 14:83
- Low-Frequency-Pulsed-Magnetic-Field 14:83
- Matrix 22:241
- Native-Collagen-Fibril-Biosensor 22:241
- Regulation 22:241
- Signal-Conductor 22:241

Connexin 42:207
Constant-Buffering-Capacity 7:371
Constant-Current-Density 2:293
Constant-Electric-Current 28:435
Constant-Magnetic-Field 14:495
Constant-Voltage 43:143
Constraint 46:121
Construction
- Amperometric-Sensor 31:147
- Bacteria 13:231
- Biofuel-Cell 3:139
- Characteristics 3:139
- Diphenol 31:147
- Electrode 3:139
- Glucose 3:139
- Performance 3:139
- Phenol 31:147
- Proton–Potassium-Antiport 13:231
- Strategy 31:147
- Tyrosinase-Based 31:147

Contact 1:293
Contact-Phenomena 1:506
Continuous-Exposure 39:215
Continuous-Recording 11:365
Contrast-Agent 46:205
Control
- ATP-Pump 19:21
- Belousov–Zhabotinsky-System 17:243
- Electrofusion 21:149
- Extracellular-Potassium 3:582
- Firefly-Electrode 19:21
- Flavin 22:355
- Halogen-Anion 9:551
- Hydrophobic 9:551
- Inorganic-Nitrogen 22:355
- Ion-Channel 42:193
- Langmuir–Blodgett-Film 34:135
- Light-Emission 19:21
- Mammalian-Spinal-Cord 3:582
- Memory 42:193
- Mixed-Catalyst 17:243
- Molecular-Photoelectric-Device 34:135
- Murine-Embryonic-Cell 21:149
- Nitrate-Reductase 22:355
- Octane/Water-Interface 9:551
- Oscillation-Parameter 17:243
- Photoregulation 22:355
- Photosynthetic-Metabolism 22:355
- Photosynthetic-Reaction-Center 34:135
- Physicochemical-Model 19:21
- Porphyrin 9:551
- Protein-Orientation 34:135
- Reduction 9:551
- Rhodopseudomonas-Viridis 34:135
- Specific-Adsorption 9:551

Control-Mechanism 38:251
Controlled-Current 13:15
Controlled-Potential
- Controlled-Current 13:15
- Dielectrics 15:353
- Electric-Field 15:353
- Electrolysis 13:15, 14:275, 14:293, 15:353
- In-Vitro 13:15
- In-Vivo 13:15
- Membrane-Coated-Electrode 14:275, 14:293, 15:353
- Numerical-Analysis 14:293
- Theory 14:275
- Urea 13:15

Controlled-Potential-Method 1:427
Conversion
- Absorption 15:457
- Aromatic-Compound 26:277
- Characterization 21:99
- Electric-Field 15:457
- Energy 15:457
- Enzyme 21:99
- Experiment 21:99
- Hydrogen-Peroxide 26:277
- Kinetics 26:277
- Membrane-Bound-ATPase 15:457
- Packed-Bed 21:99
- Peroxidase-Electrode 26:277
- Reactor 21:99
- Simultaneous 26:277

Cooperativity 37:85
Coordination 20:33
Coordination-Chemistry 2:329
Copper
- Allosteric-Property 1:67
- Amino-Acid 11:129
- Cadmium 6:337, 22:299, 29:91
- Carbonic-Anhydrase 22:299
- Carboxypeptidase 22:299
- Catalytic-Property 1:67
- Cholate-Aggregate 29:91
- Cobalt(II) 6:337
- Complexation 6:337
- Complexation-Parameter 11:173
- Cyclization 21:261
- Cytochrome 39:221
- Differential-Pulse-Polarography 22:299, 25:109
- Dopaquinone 21:261
- Electron-Transfer 39:221
- Enzyme 39:221
- Enzymic-Heme 1:67
- Ethyl-Isatine-Isothio-semicarbazone 11:173
- Imidazole 6:337
- Interaction 29:91
- Iron 36:165
- Kinetics 36:165
- Lead 29:91
- Metallotropic-Form 22:299
- Nickel 6:337
- Nucleoside 39:55
- Physiological-Condition 6:337
- Polarographic-Determination 11:173
- Polarography 11:129, 29:91, 36:165
- Potentiometry 6:337
- Protein 25:109
- Proton 6:337
- Purine 39:55
- Purine-Base 39:55
- Superoxide-Dismutase 36:165
- Ternary-Complex 11:129
- Tryptophan-Dioxygenase 1:67
- Virostatic 11:173
- Voltammetry 39:55
- Zinc 6:337, 22:299, 36:165

Copper-Binding
- Natural-Ionic-Polysaccharide 12:443, 12:455
- Polarographic-Data 12:455
- Potentiometric-Data 12:443
- Spectroscopic-Data 12:443

Copper-Complex
- Bioassay 44:31
- Cyclic-Voltammetry 44:31
- Cytosine 45:267
- Mimetic-Compound 44:31
- Nucleoside 45:267
- Superoxide-Dismutase 44:31
- Voltammetry 45:267

Copper-Compound 31:203
Copper-Containing-Oxidase 40:49
Copper-Containing-Protein 40:249
Copper-Cyclohexylbutyrate 31:229
Copper-Phenanthroline-Complex
- Complex-Formation 9:627, 9:639
- Electrode-Behavior 9:627, 9:639
- Ligand 9:627, 9:639
- Nitrogen-Donor-Atom 9:627, 9:639
- Oxygen-Donor-Atom 9:627, 9:639
- Pi-Acid 9:627, 9:639
- Secondary-Ligand 9:627, 9:639
- Solution 9:627, 9:639
- Ternary-Complex 9:627, 9:639

Core 38:67
Correlated-Electrostatic-Interaction 48:361
Correlated-Recruitment 38:99
Correlation
- Amino-Acid 44:23
- Amplitude 33:19
- Benzodiazepine 16:407
- Benzodiazepine-Iminium 16:407
- Bovine-Hemoglobin 8:141
- Catalytic-Current 8:141
- Cell-Response 33:19
- Charge-Transfer 16:407
- Drug-Activity 16:407, 36:171
- Electric-Field 33:19
- Electric-Property 44:23
- Electrochemical-Oxidation 12:413
- Electrofusion 20:155
- Electronic-Structure-Index 6:263
- Electroporation 20:155
- Electropotential 5:152
- Electroreduction 6:263
- Fluctuation 33:19
- Genetic-Code 44:23
- Human-Hemoglobin 8:141
- Lycopersicon-Esculentum 5:152
- Magnetic-Field 33:19
- Mechanism 6:263, 16:407
- Neuroleptics 12:413
- Pharmacological-Property 12:413
- Physical-Parameter 20:155
- Plasma-Membrane 33:19
- Polarography 8:141
- Protoplast 20:155
- Reduction-Potential 16:407, 36:171
- SH-Group-Content 8:141
- Stem-Diameter-Change 5:152
- Structure 16:407, 36:171, 44:23
- Thiobarbiturate 36:171
- Thiopyrimidine-Derivative 6:263
- Transition 5:152

Corrosion-Behavior 16:347
Cortical-Neuron 30:287
Cortical-Neuronal-Activation |Human-» 47:265
Corticotropine |Synthetic-» 2:329
Corynebacterium-Glutamicum 45:261
Cosmetic-Application 48:453
Cosmid 21:355
Coulokinetic-Behaviour 5:252
Coulomb-Effect 4:45
Coulombic-Hypothesis 21:193
Coulter-Counter 6:349
Countercurrent-Cation-Flow 13:171
Counterion
- Biological-Effect 28:279
- Intensity 28:279
- Low-Frequency-Low-Electric-Field 28:279
- Micellar-Solution 13:459
- Polarization 28:279
- Thermal-Motion 13:459

Counterion-Binding 38:367
Coupled-Cooperative-Association 8:301

Coupled-Cooperative-Protonation 8:301
Coupled-Mediator 11:289
Coupled-Transport 23:01
Coupling
• Analytical-Purpose 2:251
• Artificial-Two-Phase-System 13:171
• ATPase 42:241
• Biochemical-Reaction 7:807
• Biological-Reaction 2:251
• Brain-Tissue 5:67
• Chemiosmotic-Energy 15:193
• Countercurrent-Cation-Flow 13:171
• Electrochemical-Measurement 2:251
• Electrochemical-Process 42:241
• Electrochemical-Reaction 7:807
• Ethioporphyrin 10:493
• Incorporated 42:241
• Interfacial-Proton-Flow 13:171
• Iron(III)-Complex 10:493
• Mechanism 5:67
• NADH 10:493
• Nonlinear-Kinetic-Model 15:193
• Octane/Water-Interface 10:493
• Organic-Reaction 2:251
• Oxygen 10:493
• Participation 10:493
• Proton-Translocation 42:241
• Redox-Reaction 10:493, 13:171
• Supported-Lipid-Bilayer 42:241
• Weak-Electromagnetic-Field 5:67
Covalent 10:69
Covalently-Bound 44:45
Covalently-Immobilized-Mediator 25:425
Covered
• Adsorption 14:347, 24:129
• Alamethicin 24:129, 28:85
• Bare 24:129
• Bipyridyl-Monolayer 14:347
• Brilliant 21:233
• Cresyl-Blue 21:233
• Electrochemical-Reaction 14:347
• Electrode 12:499
• Electrode-Process 21:233
• Hemoglobin 21:233
• Interaction 28:85
• Melittin 24:129, 28:85
• Mercury-Electrode 14:347, 24:129
• Mercury-Electrode-Surface 28:85
• Phospholipid 24:129
• Photoelectrolysis 12:499
• Photosystem-I 12:499
• Photosystem-II 12:499
• Platinum-Electrode 21:233
• Protein 14:347
• Protein-Kinase-C 28:85
• Pure-Phospholipid-Monolayer 28:85
• Water 12:499
Cr-Tuned 32:67
Crayfish-Limulus 3:151
Creatinine 23:195
Cresyl-Blue 21:233
Cryodamage 27:41
Culture
• Bacterial-Activity 9:699
• Bovine-Articular-Chondrocyte-Explant 44:127
• Collagen-Production 14:83
• Computer-Simulation 9:679
• Connective-Tissue 14:83
• Drug 9:699
• Enhancement 14:83
• Epithelium 36:77
• Escherichia-Coli 9:679, 9:699
• Evolution-Time 9:679, 9:699
• Gallbladder 36:77
• Gold-Electrode 9:679, 9:699
• Guinea-Pig 36:77
• Incorporation 44:127
• Isolated-Cell 36:77
• Large-Conductance 36:77
• Lipoic-Acid 9:679, 9:699
• Localization 36:77
• Low-Frequency-Pulsed-Magnetic-Field 14:83
• Mathematical-Modeling 9:679
• Model 9:699
• Potassium-Channel 36:77
• Primary-Cell 36:77
• Replication 44:127
• Sulfate 44:127
• Zero-Current-Potential 9:679, 9:699
Culture-Cell 13:219
Culture-Growth 31:49
Culture-Media 45:93
Culture-Medium
• Cell-Coat 39:31
• Characteristics 29:277
• Electrochemical-Characteristics 8:633
• Extremely-Low-Frequency-Magnetic-Field 39:31
• Fibroblast 39:31
• Fibroblast-Culture 39:31
• Glycosaminoglycan 39:31
• Lipoprotein 29:277
• Low-Density 29:277
• Magnetic-Field 39:31
• Metabolism 39:31
• Oxidizing-Ability 29:277
• Static-Magnetic-Field 39:31
• Tantalum-Electrode 8:633
Cultured
• Cell-Model 44:169
• Cellular-Pathway 44:169
• Characterization 38:255
• Electrode-Surface 20:169
• Electrolyte-Transport-Mechanism 44:169
• Electromotive-Force 44:169
• Epithelial-Cell 17:141
• HeLa-Cell 20:169
• Human-Colonocyte 44:169
• Interfacing 38:255
• Lysis 20:169
• Microelectrode 17:141
• Morphological-Change 20:169
• Neuron 38:255
• Neuron-to-Microelectrode-Junction 38:255
• Planar-Substrate-Microelectrode 38:255
• Potential-Controlled 20:169
Cultured-Cell 45:83
Current
• Bilayer-Lipid-Membrane 31:161
• Conformational-Change 31:161
• Galvanic-Cell 6:563
• Ion-Carrier 31:161
• Photochromic 31:161
• Photosynthetic-Electron-Transport 6:563
• Spirobenzopyran 31:161
Current-Carrier 27:235
Current-Density 2:304
Current-Distribution 48:201
Current-Fluctuation 45:233
Current-Generation-Equation 10:109
Current-Induced-Voltage-Response 32:45
Current-Injection 3:614
Current-Mediator 9:313
Current-Oscillation 38:185
Current–Potential-Curve 10:377
Current-Supply 2:106
Current–Voltage-Characteristics
• Bacteriorhodopsin 23:45
• Gramicidin 34:61
• Gramicidin-Channel 34:61
• Nonlinearity 34:61
• Structure 34:61
Current–Voltage-Relation 6:461
Curvature 6:305
CV1-Cell 26:339
Cyanine-Dye 28:221
Cyanobacterial-Membrane 38:35
Cyclic-Aminoketone 4:195
Cyclic-AMP
• 50-Hz-Magnetic-Field 30:143, 43:51, 43:55
• Calcium-Magnesium-Ion-Binding 4:87
• Cell-Proliferation 30:143
• Cofactor 43:55
• Cultured-Mammalian-Cell 30:143
• Electric-Field 30:143
• Extracellular-Calcium 43:51
• Flux-Density 43:51
• Measurement 4:87
• Membrane-Electrode 4:87
• Primed-Cell 43:55
• Prostaglandin 43:55
• Retinoic-Acid 43:55
• Serum-Free-Medium 43:55
• SV40-3T3-Cell 43:51
Cyclic-Polysiloxane 6:105
Cyclization
• Copper 21:261
• Cyclic-Voltammetry 34:83
• DOPA 34:83
• Dopaquinone 21:261
• Oxidation 34:83
• Polycarbazole-Modified-Electrode 34:83
• Rate-Constant 34:83
Cyclocytidine 34:25
Cyclodextrin-Cavity 24:257
Cylindrical-Biological-Body 35:109
Cypridina 41:205
Cysteine
• Carbon-Paste-Electrode 26:469
• Cobalt(II)-Cyclohexylbutyrate 26:469
• Comparison 48:43
• Electrochemical-Reactivity 48:43
• Homocysteine 48:43
• Mercury-Electrode 48:43
• Polarographic-Brdicka-Activity 4:413
• Surfactant 4:413
• Voltammetry 26:469
Cysteine-Containing-Dipeptide-Monolayer 39:135
Cytarabine
• Antineoplastic-Agent 28:417
• Cyclocytidine 34:25
• Cytidine 28:417
• Differential-Pulse-Polarography 28:417
• Hydrolytic-Transformation 34:25
• Isomer 28:417
• Kinetics 34:25
• Nucleoside 28:417
Cytidine
• Adenine 4:361
• Adenosine 8:523
• Adsorption 16:485
• Antineoplastic-Agent 28:417
• Aqueous-Solution 16:449
• Association 16:485
• Cerium(III) 12:475
• Charged-Interface 16:485
• Chelation 12:475
• Cytarabine 28:417
• Cytidine-Diphosphate 16:485
• Cytidine-Monophosphate 16:485
• Cytosine 12:475
• Differential-Pulse-Polarography 28:417
• DNA 4:361
• Electrochemical-Examination 8:523
• Guanosine 8:523
• Hetero-Association 16:449
• Initial-Potential 4:361
• Interaction 8:523
• Isomer 28:417
• Lanthanum 12:475
• Methylation 16:449
• Normal-Pulse-Polarographic-Wave-Height 4:361
• Nucleoside 8:523, 28:417
• pH 16:485
• Phosphate 12:475
• Self-Association 16:449
• Thorium(IV) 12:475
• Uranium(VI) 12:475
Cytidine-Diphosphate 16:485
Cytidine-Monophosphate
• Adsorption 16:485
• Association 16:485
• Charged-Interface 16:485
• Cytidine 16:485
• Cytidine-Diphosphate 16:485
• Cytidine-Triphosphate 7:705
• Interfacial-Behavior 7:705
• Mononucleotide 7:705
• Oligonucleotide 7:705
• pH 16:485
• Voltammetry 7:705
Cytidine-Triphosphate 7:705
Cytochrome
• 600-780-nm-Region 8:309
• Adsorbed 1:478, 45:293
• Adsorption 6:555, 15:103
• Adsorption-Isotherm-Plot 15:103

- Amperometric-Biosensor 34:123
- Azide 17:369
- Beef-Heart 28:177
- Bilayer 26:321
- Bilayer-Lipid-Membrane 21:213
- Binding 17:369
- Bipyridyl-Surface 7:527
- Bromopyrogal-Red 39:95
- Bulk-Solvent-Structure 5:196
- Carbon-Paste 34:123
- Catalyzed 1:448
- Cellulose-Membrane 3:189
- Chemically-Modified-Gold-Electrode 29:177
- Chlorophyll 38:15
- Chloroplast 10:413
- Colloidal 16:125
- Comparison 11:319
- Conformation 1:478
- Conformational-Transition 39:95
- Copper 39:221
- Cyclic-Voltammetry-Parameter 26:321
- Cytochrome-Oxidase 1:389, 3:596, 17:369
- Cytochrome-Peroxidase 21:213
- Cytochrome-Reductase 28:177
- Denaturation 41:107
- Desulfovibrio-Desulfuricans-Norway 6:385, 15:57
- Desulfovibrio-Vulgaris-Hildenborough 6:385
- Desulfuromonas-Acetoxidans 8:239
- Direct-Electron-Transfer-Reaction 29:237
- Dynamic-Spectroelectrochemical-Measurement 39:95
- Electroactivity 9:91
- Electrochemical-Aspect 4:500
- Electrochemical-Identification 41:107
- Electrochemical-Interaction 38:15
- Electrochemical-Property 11:319
- Electrochemical-Reaction 34:153
- Electrochemical-Stability 15:57
- Electrode-Reaction 6:385, 8:239
- Electron-Transfer 1:448, 3:113, 21:213, 29:71, 39:221
- Energetics 1:389
- Enzyme 34:123, 39:221
- Exogenous-Flavin 38:09
- Facilitated-Diffusion 3:189
- Glassy-Carbon-Electrode 29:237, 45:293
- Glycogen 1:478
- Gold-Electrode 13:373
- Graphite-Paste-Electrode 15:103
- Graphite-Powder/Liquid-Interface 15:103
- Heme-Protein 1:389
- Horse-Heart 3:113, 9:91, 11:319, 13:373, 29:177, 41:107
- Incorporation 26:321
- Indirect-Reduction 38:09
- Interaction 28:177
- Interconversion 10:413
- Interfacial-Electrochemistry 26:321
- Intermediate-Form 41:107
- Ion 3:189
- Iron-Containing-Complex 3:589
- Isolated-Reaction-Center 38:09
- Kinetic-Aspect 28:177
- Kinetics 1:389, 3:596, 21:55
- Light-Induced-Reduction 16:125
- Linear-Sweep-Voltammetry 15:103
- Lipid 34:123
- Lipid-Bilayer-Modified-Electrode 25:447, 26:321
- Liver-Microsome 4:500
- Low-Potential 17:297
- Mechanism 1:448, 4:512, 7:527
- Membrane-Entrapped 21:55
- Mercury-Electrode 1:478, 4:512, 6:555
- Methaemoglobin 1:478
- Methemoglobin 4:512
- Metmyoglobin 1:478
- Microperoxidase 29:177
- Modified-Gold-Electrode 7:527, 29:71, 34:153
- Molecular-Recognition 42:249
- Multicomponent-Redox-System 7:775
- Negative-Charge 26:321
- Oxidation-Reduction 17:369
- Paracoccus-Versutus 45:293
- Parallel 15:103
- pH 9:91, 11:319, 13:373, 29:71
- pH-Dependent 10:413
- Phosphorylase 1:478
- Photosystem-I 42:249
- Photosystem-II 38:09
- Plastocyanin 42:249
- Poly-L-Lysine 1:478
- Pontentiodynamics 3:589
- Potentiometric-Resolution 7:775
- Pseudomonas-Aeruginosa 11:319
- Pyridyl-Disulfide 29:71
- Pyridyl-Disulfide-Modified 13:373
- Reaction-Mechanism 42:249
- Redox-Form 10:413
- Redox-Potential 13:373
- Reduction 4:512, 25:447, 42:249
- Reduction-Potential 5:196
- RNAase-A 15:103
- Spectral-Band 8:309
- Spectral-Property 17:369
- Spectroelectrochemical 1:389
- Spectroelectrochemistry 3:589, 3:596
- Spectrophotometric-Property 11:319
- Stoichiometry 1:389
- Structural-Effect 3:113
- Submitochondrial-Particle 28:177
- Sulphur-Containing-Compound 29:177
- Temperature-Dependence 5:196, 8:309, 13:373
- Thiophene 34:153
- Titanium-Dioxide 16:125
- Ubiquinol 28:177
- Urea 41:107
- Yeast-Mitochondrium 7:775

Cytochrome |Carboxy-methylated-» 17:27

Cytochrome |Covalently-Immobilized-» 44:57

Cytochrome |Entrapped-» 37:125

Cytochrome-Model
- Electrode-Kinetics 1:73
- Porphyrin 1:172
- Redox-Reaction 1:172

Cytochrome-Oxidase
- 60-Hz-Magnetic-Field 45:253
- Azide 17:369, 17:383
- Binding 17:369
- Cardiolipin 20:73
- Conformational-Transition 15:79
- Cytochrome 1:389, 3:596, 17:369
- Detergent 23:265
- Energetics 1:389
- Enhancement 45:253
- Frequency-Dependence 46:139
- Functional-Implication 20:73
- Heme-Protein 1:389
- Interaction-Site 17:383
- Kinetics 1:389, 3:596
- Magnetic-Field 46:139
- Mitochondrium 13:235
- Molecular-Control 16:159
- Molecular-Mechanism 22:91
- Oxidation-Reduction 17:369
- Oxidative-Phosphorylation 13:235
- Phospholipid-Vesicle 23:265
- Pigeon-Breast-Muscle 17:383
- Reconstitution 23:265
- Regulation 15:79
- Spectral-Property 17:369
- Spectroelectrochemical 1:389
- Spectroelectrochemistry 3:596
- Stoichiometry 1:389
- Submitochondrial-Particle 17:383

Cytochrome-Peroxidase 21:213

Cytochrome-Reductase 28:177

Cytogenetic-Effect 43:221

Cytoplasm
- Acer-Pseudoplatanus 4:185
- Direct-Measurement 4:185
- External-Medium 4:185
- Free-Cell 4:185
- Human-Fibroblast 40:67
- Microelectrode 40:67
- Nucleus 40:67
- Potential-Difference 4:185
- Transmembrane-Potential 40:67

Cytoplasmic-Membrane 19:235

Cytosine
- Adenine 4:425, 5:239, 48:69
- Adenosine 3:338
- Adsorption 3:338, 12:137
- Association 12:137
- Bromide-Ion 12:137
- Cerium(III) 12:475
- Chelation 12:475
- Chloride-Ion 12:137
- Classification 48:69
- Copper-Complex 45:267
- Cytidine 12:475
- Electric-Field-Effect 3:338
- Electron-Affinity 48:69
- Guanine 48:69
- Half-Wave 48:69
- Iodide-Ion 12:137
- Lanthanum 12:475
- Mercury-Electrode 12:137
- Nucleoside 45:267
- Organic-Molecule 48:69
- Phosphate 12:475
- Polarography 4:425, 5:239
- Reduction-Potential 48:69
- Thorium(IV) 12:475
- Thymine 48:69
- Uracil 48:69
- Uranium(VI) 12:475
- Voltammetry 45:267

Cytosine-Derivative 7:517

Cytoskeleton 48:267

C_{60}
- Carbon-Paste-Electrode 48:95
- Electronic-Process 42:161
- Fullerene 42:161, 48:95
- Geodesic-Form-Carbon 42:161
- Photoinduced-Electron-Transfer 48:95
- Preparation 48:95
- Solar-Cell 48:95
- Supported-Bilayer-Lipid-Membrane 42:161
- Synthetic-Chlorophyll-Analogue 48:95

Damage
- Electromagnetic-Smog 17:441
- Ischemia 45:151
- Monitoring 45:151
- Skeletal-Muscle-Tissue 45:151
- Stress-Factor 17:441

Damping
- Indole 9:761
- Maximum-of-Oxygen 9:761
- Melanin 9:761
- Microtubule 48:285
- Polarography 9:761
- Quantitative-Determination 9:761
- Strange-Polymer 48:285

Darkness 9:157

Daunomycin
- Antitumor-Antibiotics 17:81
- Antitumor-Drug 45:33
- DNA 45:33
- Electric-Investigation 17:81
- Human-Erythrocyte-Membrane 17:81
- Interaction 45:33
- Passive 17:81
- Solution 45:33
- Surface 45:33
- Violamycin-B-I 17:81

Davydov-Like-Soliton 48:297

Death
- Bilayer-Lipid-Membrane 6:89, 6:97
- Defect-Formation 6:89, 6:97
- Electric-Breakdown 6:89, 6:97
- Lifetime-Distribution-Function 6:89
- Membrane 6:89
- Statistical-Property 6:97
- Stochastic-Theory 6:89, 6:97

Decarboxylating-Enzyme 48:463

Decarboxylation |Enzymatic-» 3:106

Deconformation 3:440
Deconvolution 39:185
Dedifferentiation |Electrically-Induced-» 5:177
Defect 6:81
Defect-Formation
• Bilayer-Lipid-Membrane 6:89, 6:97
• Death 6:89, 6:97
• Electric-Breakdown 6:89, 6:97
• Lifetime-Distribution-Function 6:89
• Membrane 6:89
• Statistical-Property 6:97
• Stochastic-Theory 6:89, 6:97
Defect-Origination 6:63
Defect-Proton 9:61
Deformation
• Alternating-Current-Electric-Field 27:373
• Alternating-Electric-Field 32:15
• Electric-Field 34:101
• Fused 27:373
• Hematopoietic-Blast 27:373
• Lipid-Vesicle 34:101
• Normal 27:373
• Steady-State 32:15
• Theory 34:101
• Vesicle 32:15
Deformational-Instability
• Biomembrane-Induced-Chemical-Reaction 5:780
• Electric-Interaction 5:401, 5:780
• Membrane-Induced-Chemical-Reaction 5:401
Degenerative-Osteoarthritis 13:485
Degradation
• Bioelectrochemical-Fuel-Cell 43:177
• Biological-Process 17:523
• Deoxyribonucleic-Acid 17:523
• Electron-Transport 17:523
• Glucose 43:177
• Hydroxyquinone-Derivative 17:523
• Synechocystis 43:177
Degraded-Species 18:171
Dehydration 16:325
Dehydrogenase
• Covalently-Immobilized-Mediator 25:425
• Dihydrolipoamide 25:425
• Direct-Electron-Transfer 25:425
• Fluorescent-Phospholipid 29:363
• Hydroxybutyrate 29:363
• Interaction 29:363
• Mitochondrial-Membrane 29:363
• Modified-Glassy-Carbon-Electrode 25:425
• Oxidoreductase 25:425
• Pyridine-Nucleotide 25:425
• Viologen 25:425
Dehydrogenase |Immobilized-» 13:199
Dehydrogenase-System 28:341
Delayed-Consolidation 14:155
Demethyl-Retinal-Analog 44:37
Denaturation
• Cytochrome 41:107
• Electrochemical-Identification 41:107
• Glutamate-Dehydrogenase 12:431
• Horse-Heart 41:107
• Hydration 46:279
• Intermediate-Form 41:107
• Ionizing-Radiation 46:279
• Keratin 46:279
• Modification 12:431
• Polarography 12:431
• Urea 41:107
Denervated-Limb 5:88
Denitrifying-Bacterium 44:275
Density-Operator 30:35
Dentistry 14:235
Deoxygenated 47:297
Deoxyribonucleic-Acid
• Biological-Process 17:523
• Carbon-Electrode 7:793
• Degradation 17:523
• Electron-Transport 17:523
• Hydroxyquinone-Derivative 17:523
• Oxidation 7:793
• Sample-Quality 7:793
Deoxyribose 45:123
Depletion 48:375
Depolarization 19:235
Depolarization-Type 6:493
Deposited
• Bilayer-Lipid-Membrane 24:01
• Cyclic-Voltammetry 24:01
• Photoelectrochemistry 29:357
• Platinum 24:01
• Platinum-Electrode 29:357
• Self-Assembly 24:01
• Zeaxanthin-Layer 29:357
Deposition
• Direct-Electric-Current 35:93
• Electrode-Material 35:93
• Electromagnetic-Energy 30:27, 35:103
• Living-Tissue 30:27, 35:103
• Moment-Method 30:27, 35:103
• Numerical-Approach 35:103
• Overconstrained 30:27
• Prediction 35:103
• Treatment 35:93
• Tumor 35:93
Depressor-Activity 8:43
Dermis |Human-» 30:65
Desferrioxamine 42:169
Design
• Biomedical-Measurement 3:158
• Chemical-Promotion 34:115
• Development 22:379
• Electrofusion 34:115
• Flow-Through-Reactor 22:379
• Glucose 22:379
• Long-Distance-Electron-Transfer 42:25
• Miniaturized 3:158
• Molecular-Wire 42:25
• Plant-Protoplast 34:115
• Selective-Electrode 3:158
• Sensor 3:158
• Surface-Active 34:115
• Synthesis 34:115
Destruction 43:135
Desulfovibrio-Desulfuricans-Norway
• Cytochrome 6:385, 15:57
• Desulfovibrio-Vulgaris-Hildenborough 6:385
• Electrochemical-Stability 15:57
• Electrode-Reaction 6:385
Desulfovibrio-Vulgaris 28:191
Desulfovibrio-Vulgaris-Hildenborough 6:385
Desulfuromonas-Acetoxidans 8:239
Detection
• Acoustic-Wave 44:83
• Ammonia-Sensor 44:83
• Amperometric-Assay 36:157
• Amplification 36:157
• Apoenzyme-Signal 36:157
• CFTR-Gene 48:415
• FAD 36:157
• Growth-Characteristics 44:83
• Larmor-Precession 30:03
• Mechanism 30:03
• Model 47:207
• Mutation 48:415
• NADH 36:157
• Proteus-Mirabilis 44:83
• Static-Alternating-Magnetic-Field 30:03
• Temperature-Dependent 44:83
• Time-Resolved-Fluorescence-Method 48:415
• Weak-Extremely-Low-Frequency-Electric-Field 47:207
• Weak-Extremely-Low-Frequency-Magnetic-Field 47:207
Detector 13:199
Detergent
• Cytochrome-Oxidase 23:265
• Human-Erythrocyte 15:07
• Human-Erythrocyte-Membrane 12:367
• Ionophore 12:367
• Membrane-Potential 15:07
• Modification 15:07
• Phospholipid-Vesicle 23:265
• Polyoxyethylene 15:07
• Reconstitution 23:265
• Tetramethylammonium-Cation 12:367
• Transport-Kinetics 12:367
• Triton 12:367
• Triton-X-100 15:07
Detoxication 18:21
Deureation 1:180
Deuterium-Isotope-Effect 23:141
Deuterium–Proton-Exchange 45:203
Development
• 50-Hz-Electric-Field 30:195
• 915-MHz-Radiofrequency-Radiation 30:313
• Background-Technique 42:77
• Biomagnetic-Field 37:51
• Biosensor 42:77
• Brain-Tumor 30:313
• Carrier-System 7:553
• Catalyst-Binder 8:115
• Cell-Membrane 7:553
• Design 22:379
• Direct-Electron-Transfer 42:01
• Dosage-Method 47:11
• Drug 7:553
• Electric-Field 7:553
• Electrocatalytic-Sensor 5:607
• Electrochemical-Treatment 47:11
• Electrode 8:115
• Electrophysiology 16:509
• Enterocyte 16:509
• Experiment 30:313
• Flow-Through-Reactor 22:379
• Glucose 5:607, 8:115, 22:379
• Implantable 5:607
• Longitudinal-Study 30:195
• Measurement 8:115, 37:51
• Minizyme 42:01
• Photoelectrode 23:239
• Photosynthetic-Reaction-Center 23:239
• Rat 30:195
• Reagentless-Amperometric-Biosensor 42:01
• Reproduction 30:195
• Simplified-Mathematical-Model 47:11
• Squid-Sensor-Array 37:51
• Strategy 42:01
• Supported-Bilayer-Lipid-Membrane 42:77
• Tumor 47:11
Diabetes 18:283
Diamine 20:241
Diaphorase
• Bound 29:127
• Catalytic-Capability 29:127
• Glass-Surface 33:91
• Gold-Electrode 29:127
• Microvoltammetric-Characterization 33:91
• Monolayer 33:91
• Self-Assembled-Thiol-Monolayer 29:127
Diaphorase-Reaction 47:179
Dichlorodiammineplatinum(II) 16:395
Dichromate 38:185
Dictyostelium-Discoideum 48:149
Dicyclohexylcarbodiimide 5:567
Dicyclohexylcarbodiimide-Binding 16:301
Dideoxycytidine 39:263
Dielectric-Behavior
• Anion-Exchange 23:337
• Arbitrarily-Shaped 40:167
• Biological-Cell 40:167
• Comparison 23:337
• Diffusion 38:123
• Electrorotation 23:337
• Human-Erythrocyte 23:337
• Nucleus 38:123
• Particle 40:167
• Protein 23:337
• Shape-Effect 40:167
• Spherical-Cell-Suspension 38:123
• Theory 23:337
Dielectric-Characteristics 9:15
Dielectric-Constant
• Biomembrane 10:345
• Bowel-Cancer 13:103
• Complex 13:103
• Human-Serum 13:103
• Ionic-Transport-Process 10:345
• Patient 13:103
• Protein 10:345
• Protein-Bound 13:103
• Water 13:103

Dielectric-Dispersion
|Beta-» 25:195
Dielectric-Measurement 40:175
Dielectric-Parameter 36:115
Dielectric-Permittivity
• Biomedical-Application 30:55
• Conductivity 30:65
• Electric-Conductivity 30:55
• Electromagnetic-Inverse-Problem 30:55
• Epidermis 30:65
• Human-Dermis 30:65
• In-Vitro 30:65
• Noninvasive-Reconstruction 30:55
• Tensor 30:65
Dielectric-Profile 6:599
Dielectric-Property
• 130-Day-Old 10:405
• Audiofrequency-Dielectric-Property 47:325
• Bacterial-Chromatophore 11:405
• Balance 35:29
• Blood 35:29
• Cell-Suspension 28:319
• Experimental-Animal 35:29
• Extremely-Low-Frequency-Variable-Magnetic-Field 35:29
• Fraction 28:319
• High-Volume 28:319
• In-Vivo 47:325
• Maize-Plant 10:405
• Noninvasive-Approach 47:325
• Open-Ended-Coaxial-Probe 47:325
• Radiofrequency-Dielectric-Property 47:325
• Rat-Liver 47:325
• Rheologic-Property 35:29
• Root-System-Tissue 10:405
• Water-Electrolyte 35:29
Dielectric-Relaxation 46:29
Dielectric-Spectra
• Artificial-Neural-Network 28:425, 39:185
• Deconvolution 39:185
• Fitting 28:425
• Microbial-Cell-Suspension 39:185
• Multivariate-Calibration 39:185
Dielectric-Spectrometer
|Frequency-Domain-» 11:15
Dielectric-Spectroscopy
• Adriamycin-Treated 26:177
• Biological-Cell 40:141
• Biomass 46:91, 46:105
• Capacitive-Measurement 46:91, 46:105
• Cellular-Property 40:187
• Chloroplast-Thylakoid 16:45
• Electrode-Polarization 46:91, 46:105
• Energy-Coupling-Membrane 16:45
• Fermentation 46:91
• Frequency-Method 46:105
• Living-Cell 40:133
• Membrane-Vesicle 15:183
• Passive-Electric-Property-Change 26:177
• Prokaryotic-Membrane 15:183
• Protein 15:183
• Red-Cell-Membrane 26:177
• Reduction 46:105
• Translational-Diffusion 15:183
Dielectric-Spectroscopy
|Nonlinear-»
• Analytical-Tool 48:389
• Artificial-Neural-Network 40:99
• Biological-Cell-Suspension 40:99
• Genetic-Programming 48:389
• Metabolic-Substrate 40:99
• Multivariate-Calibration 40:99
• Principle 40:99
• Rapid-Noninvasive-Quantification 40:99
Dielectric-Study 21:87
Dielectrics 15:353
Dielectrophoresis
• Experiment 17:549, 22:289
• Individual-Cell 17:549
• Mechanism 22:289
• Theory 22:289
Different-Level 33:109
Different-Phase 31:49
Differential-Pulse-Polarography
• Adenylyl-Guanosine 25:145
• Antineoplastic-Agent 28:417
• Cadmium 22:299
• Cadmium-Zinc-Metallothionein 46:45
• Carbonic-Anhydrase 22:299
• Carboxypeptidase 22:299
• Characterization 46:45
• Cholic-Acid 19:263
• Component 11:449
• Copper 22:299, 25:109
• Cytarabine 28:417
• Cytidine 28:417
• Dropping-Mercury-Electrode 19:263
• Electrode-Process 15:329
• Electron-Spin-Resonance-Spectroscopy 48:233
• Formaldehyde 15:89
• Glutamate-Dehydrogenase 15:329
• Human-Adult-Kidney 46:45
• Isomer 28:417
• Lung 15:89
• Metallotropic-Form 22:299
• Nitroxyl-Free-Radical 48:233
• Nucleic-Acid 11:449
• Nucleoside 28:417
• Pea-Amine-Oxidase 41:173
• Permeability 19:505
• Protein 25:109
• Ranitidin 19:505
• Redox-Center 41:173
• Spin-Probe 48:233
• Surfactant 15:89
• Transition-Metal-Ion 25:145
• Zinc 22:299
Differential-Pulse-Voltage-Bioluminescence
• Lampito-Mauritii 28:213, 32:211
• Quenched-Cell 28:213
Differentiation
• Catecholamine-Type-Messenger 46:297
• Cell-Cultivation 47:301
• Chromaffin-Cell 46:297
• Extremely-Low-Frequency-Magnetic-Field 46:297
• Heating 47:301
• Ratio-Change 46:297
• Strong-Alternating-Current-Electric-Field 47:301
• Transmembrane-Potential 47:301
Diffusion
• Approximation 6:53
• Battery-Separator 1:515
• Bilayer-Lipid-Membrane 6:53
• Calculation 6:53
• Dielectric-Behavior 38:123
• Electric-Breakdown 6:53
• Electrolyte 5:285
• External-Transverse-Magnetic-Field-Effect 5:285
• Isolated-Area 1:515
• LiCl-H_2O-Solution 5:285
• Lifetime 6:53
• Membrane 6:53
• Nucleus 38:123
• Spherical-Cell-Suspension 38:123
• Steady-State 6:53
Diffusion-Layer
|Current-Induced-»
• Cation-Exchange-Membrane 2:293, 2:304
• Characterisation 2:293
• Concentration-Polarisation 2:304
• Concentration-Profile 2:293
• Constant-Current-Density 2:293
• Current-Density 2:304
• Diffusion-Layer-Thickness 2:304
• Local-Behavior 2:293
• Quantitative 2:293
• Quantitative-Characterisation 2:304
• Temporal-Behavior 2:293
Diffusion-Layer-Thickness 2:304
Diffusion-Model 8:269
Diffusion-Potential 16:55
Diffusive-Permeability 12:405
Digression 16:565
Dihydro-Compound 11:51
Dihydrolipoamide 25:425
Dihydropyridine-Derivative 39:263
Dihydroxyfumaric-Acid 14:469
Dihydroxytryptamine 39:249
Diketogulono-Delta-Lactone 25:121
Dimension
• Artificial-Muscle 42:117
• Bilayer 42:117
• Chloroplast 13:453
• Electric-Polarizability 13:453
• Electro-Optical-Study 13:453
• Fragment 13:453
• Movement 42:117
• Sub-Chloroplast 13:453
Dimer
• Covalent 10:69
• Isomeric-HCN 4:98
• Metal-Complex 10:69
• Porphyrin 10:69
• Reduction 10:69
• Relative-Stability 4:98
Dimerization |Electrochemically-Induced-» 1:40
Dimethoxy-Nitrobenzene 46:21
Dimethyl-Sulfoxide 1:162
Dimethyl-Uric-Acid 7:433
Dimethylamino-Trimethylpterin 11:51
Dimethylformamide
• Axial-Coordination 1:108
• Electrochemical-Effect 1:108
• Electrochemical-Reduction-Mechanism 15:125
• Iron-Porphyrin 1:108
• Mercury-Electrode 15:125
• Metalloporphyrin 2:61
• Polarography 2:61
• Porphyrin 2:61
• Pyrromethenone 15:125
• Redox-Behavior 1:108
Dimethylpterin 9:175
Dimethyluric-Acid
• Comparison 44:201
• Electrochemical-Insight 11:75
• Electrochemical-Oxidation 44:201
• Enzymatic 44:201
• Peroxidase-Catalyzed-Oxidation 11:75
Dimyristoyl-Phosphatidylcholine
• Amphiphilic-Polypeptide 34:01
• Biomembrane-Like 48:117
• Direct-Electron-Transfer 48:117
• Hemoglobin 48:117
• Hydrophilic-Pore 34:01
• Membrane 34:01
• Model 34:01
• Pyrolytic-Graphite-Electrode 48:117
• Small-Unilamellar-Vesicle 34:01
Dinitrophenol 17:165
Dinucleotide
• Adenosine 24:179
• Adsorption 24:179
• Association 24:179
• Charged-Interface 24:179
• Polarography 8:07
• Synthetic-Model 8:07
• Trimethylenebiscytosine 8:07
Dioleoyl-Phosphatidylcholine 15:167
Dioleoyl-Phosphatidylcholine-Monolayer 39:227
Dioxane-Solution
|Unbuffered-» 1:136
Dioxygen 18:51
Dipalmitoyl-Phosphatidylcholine
• Activity-Coefficient 39:101
• Aminothiol 21:87
• Aqueous-Media 39:101
• Bilayer 9:711
• Calcium-Chloride 39:101
• Dielectric-Study 21:87
• DNA 21:87
• Interaction 21:87
• Magnesium-Chloride 39:101
• Membrane-Potential 9:711
• Monolayer 9:711
• Spectrophotometry 21:87
• Surface-Pressure 9:711
• Temperature-Dependence 9:711
Diphenol 31:147
Dipolar-Potential 15:371
Direct-Bioelectrochemical-Monitoring 46:39
Direct-Conversion 5:134
Direct-Current
• Comparison 5:459
• Denervated-Limb 5:88

- Embryonic-Sensory-Ganglia 5:459
- Growth-Factor 5:459
- In-Vitro 5:459, 39:209
- Induction 5:88
- Keratinocyte 39:209
- Minute-Level 5:459
- Nerve 5:459
- Regeneration 5:88
- Salamander 5:88

Direct-Current |Low-Level-» 35:99
Direct-Current-Voltage 31:99
Direct-Electric-Current
- Antibiotics 30:173
- Configuration 30:209
- Deposition 35:93
- Electrode-Material 30:209, 35:93
- Microbe-Growth 30:173
- pH 30:209
- Susceptibility 30:173
- Temperature 30:209
- Treatment 30:209, 35:93, 43:253
- Tumor 30:209, 35:93
- Tumor-Perfusion-Change 43:253

Direct-Electrochemistry
- Amperometric-Detection 45:221
- Bovine-Copper-Zinc-Superoxide-Dismutase 27:393
- Horseradish-Peroxidase 44:177, 45:221
- Hydrogen-Peroxide 45:221
- Membrane-Entrapped 44:177, 45:221
- Spectroscopy 44:177
- Voltammetry 44:177

Direct-Excitation 16:63
Direct-Interaction 33:01
Direct-Measurement
- Acer-Pseudoplatanus 4:185
- Amperometric-Sensor 33:165
- Cytoplasm 4:185
- External-Medium 4:185
- Free-Cell 4:185
- Lepidopterous-Pupae 33:165
- Miniaturized 33:165
- Oxygen 33:165
- Potential-Difference 4:185
- Tracheal-System 33:165

Directional-Control 16:235
Disaggregation-Constant 17:349
Discharge-Kinetics 25:155
Discrete-Transition 27:405
Discrimination 45:161
Dispersion-Measurement 22:135
Displacement |Electromagnetically-Induced-» 12:177
Dissipation 41:187
Dissociation 39:291
Dissociation-Constant 24:193
Distorted-Region 12:135
Distribution
- Adsorption 23:27
- Amphiphilic-Ion 23:27
- Animal-Cell 6:543
- Axially-Symmetrical-Pore 33:25
- Bilayer-Lipid-Membrane 23:27
- Cell-Surface 6:543
- Chronic-Wound-Healing 43:265
- Clinical-Study 43:265
- Electric-Field 33:25, 43:265
- Electric-Potential 6:543, 23:27
- Electric-Stimulation 43:265
- Electrokinetic-Property 6:543
- Electrophoresis 6:543
- Enhancement 43:265
- Numerical-Wound-Model 43:265
- Surface-Coat 6:543

Disturbing 32:145
Disulfide
- Adsorptive-Stripping-Voltammetry 19:39
- Chemical-Transformation 10:199
- Chymotrypsin 19:39
- Electrochemical-Oxidation 10:199
- Protein 19:39
- Thiouracil 10:199
- Thiouracil-Disulfide 10:199
- Trace-Measurement 19:39
- Trypsin 19:39

Disulfide-Bond
- Electrochemical-Reduction 3:264
- Mercury-Electrode 44:13
- Protein 3:264, 44:13
- Reduction 44:13

Disulfide-Bridge |Electroactive-» 4:242
Dithiothreitol
- Electroactive-Disulfide-Bridge 4:242
- Human-Immunoglobulin 4:242
- Pulse-Polarography 43:181
- Redox-Reduction 4:242
- Soybean 43:181
- Specific-Reduction 4:242
- Trypsin-Inhibitor 43:181

Diuretic 32:57
Divalent-Cation
- Electrofusion 27:37
- Lipid-Bilayer 11:145
- Sonicated-Vesicle 11:145
- Transversal-Perturbation 11:145

Divalent-Cation-Chelator 45:193
Division 29:59
DMF–Water-Mixture
- Chloroferriprotoporphyrin 5:25, 5:420

DNA
- 50-Hz-Electromagnetic-Field 30:133
- Adenine 4:361
- Adsorbed 8:167, 28:71
- Adsorption 2:79, 3:241, 4:369, 4:380
- Adsorptive-Transfer-Stripping-Voltammetry 28:71
- Aminothiol 21:87
- Anion 46:15
- Anthracycline-Antibiotics 8:537
- Antineoplastic-Drug 44:51
- Antitumor-Drug 19:145, 45:33
- Aqueous-Solution 18:147
- Association 1:459
- Base-Pair 46:15
- Bio-Polymer 8:537
- Biomembrane 17:111
- Calcium-Mediated-Transfer 17:111
- Calf-Thymus 7:643
- Cell-Free-Electrostimulation 41:213
- Charged-Surface 7:317
- Clotting 24:313
- Compaction 4:464, 8:167
- Complex 8:537, 19:145
- Cosmid 21:355
- Cyclic-Voltammetry 38:77
- Cytidine 4:361
- Daunomycin 45:33
- Dielectric-Study 21:87
- Dipalmitoyl-Phosphatidylcholine 21:87
- Direct-Excitation 16:63
- Donor 24:313
- Double-Helix 7:317
- Electrochemical-Oxidation 9:245
- Electrode-Potential 28:71
- Electrode-Reaction 4:476
- Electrode-Surface 2:287, 4:464, 8:167
- Electron-Affinity 46:15
- Electron-Conduction 46:15
- Electron-Exchange 5:347
- Electroporation 21:355, 24:313
- Exonuclease-III-Degradation 41:213
- Fast-Cyclic-Voltammetry 7:643
- Graphite-Electrode 9:245
- Guanine-Derivative 7:643
- Guanosine 7:643
- Hydrogen-Bonded 46:15
- Hydrolysis 44:51
- Initial-Potential 4:361
- Interaction 7:317, 21:87, 26:15, 44:51, 45:33
- Internal-Mode 16:63
- Ionic-Strength 4:476
- Ionization-Potential 46:15
- Kinetics 4:464
- Lead 26:15
- Mammalian-Cell 21:355
- Mechanism 17:111
- Mercury-Electrode 4:369, 7:317
- Mercury-Surface 28:71
- Mercury/Electrolyte-Interface 1:459, 2:79, 3:241, 4:380
- Micrococcal-Nuclease 1:126
- Microwave 16:63
- Mitomycin-C 38:77
- Model 2:287, 4:380, 5:347, 8:167, 46:15
- Modulation-Polarography 3:373
- Mutation 30:133
- Netropsin 9:245
- Normal-Pulse-Polarographic-Wave-Height 4:361
- Nucleic-Acid 7:317
- Pairwise-Pi-Stacking 46:15
- Peroxyl-Radical 18:147
- pH-Dependence 7:317
- Photodynamic-Damage 5:335, 5:347, 7:503
- Photosensitization 7:503
- Physico-Chemical-Method 5:335
- Pi-State 8:167
- Plasmid 21:355
- Platinum 19:145
- Polarography 1:126, 8:537
- Poly-Electrolyte 8:167
- Polyamine 4:369
- Polynucleotide 18:147
- Potential 8:167
- Potential-Dependence 7:317
- Prehyperchromic-Degradation 1:126
- Prokaryote 24:313
- Radical-Reaction 7:503
- Reaction 2:79, 18:147
- Redox-Mechanism 7:503
- Redox-Process 5:335, 5:347, 7:503
- Reduction 3:241, 4:369
- RNA 3:373
- Self-Complementary-Decamer 23:285
- Solution 45:33
- Spectrophotometry 21:87
- Spectroscopy 26:15
- Strand-Breaking 5:347
- Structural-Change 7:317
- Structure 28:71
- Surface 45:33
- Temperature-Dependence 2:79
- Thiol-Form 44:51
- Thiotepa 44:51
- Underlying-Process 17:111
- Voltammetry 26:15

DNA |Circular-» 8:487
DNA |Denatured-»
- Biosynthetic-Polynucleotide 1:487, 2:245
- Comparative-Study 1:487, 2:245
- Electrochemical-Property 1:487, 2:245
- Mercury-Electrode 1:487, 2:245
- Native-DNA 1:487, 2:245
- Natural-Polynucleotide 1:487, 2:245

DNA |Double-Helical-» 7:671
DNA |Native-»
- Biosynthetic-Polynucleotide 1:487, 2:245, 3:440
- Charged-Interface 3:440
- Comparative-Study 1:487, 2:245
- Deconformation 3:440
- Denatured-DNA 1:487, 2:245
- Electrochemical-Property 1:487, 2:245
- Gamma-Irradiation 5:483
- Mercury-Electrode 1:487, 2:245, 3:440
- Natural-Polynucleotide 1:487, 2:245, 3:440
- Ultrasound-Sonicated 5:483
- Voltammetry 5:483

DNA |Plasmid-» 40:41
DNA |Supercoiled-» 46:145
DNA-Chain 48:325
DNA-Concentration 40:233
DNA-Damage
- Cellular-Telephone 45:103
- In-Vitro 45:103
- Long-Range-Interaction 48:329
- Molt-4-T-Lymphoblastoid-Cell 45:103
- Nucleotide 48:329
- Peculiarity 48:329
- Radiofrequency-Field 45:103

DNA-Double-Helix 12:135

DNA-Mercury-Film-Electrode 44:151
DNA-Size 47:319
DNA-Synthesis 25:325
DNA-Transfer 22:271
DNA-Transport 17:269
DNP 13:39
Domain 47:57
Domain-Structure 48:311
Donnan-Potential
• Calculation 8:327, 8:339
• Electrolyte 8:327, 8:339
• Ion-Movement 8:327, 8:339
• Light-Induced-Donnan-Potential 8:327
• Light-Induced-Surface-Potential 8:339
• Surface 8:327, 8:339
• Thylakoid-Membrane 8:327, 8:339
Donnan-Potential
|Light-Induced-» 8:327
Donor 24:313
Donor–Acceptor-Interaction
• Biological-Relevance 7:699, 9:379
• C-T-Complex 7:699
• Calorimetry 9:379
• Complex 9:379
• Model 9:379
• NAD 9:379
• Phenolic-Structure 7:699, 9:379
• Quantitative 7:699, 9:379
• Spectroscopy 9:379
• Substituted-Pyridinium-Ion 7:699
DOPA 34:83
Dopamine
• Adsorption 14:389
• Ascorbic-Acid 38:405
• Carbon-Nanotube-Electrode 41:121
• Covalently-Bound 44:45
• Electrocatalytic-Oxidation 44:45
• Electrochemical-Sensing 38:405
• Electrochemically-Pretreated 14:389
• Electrode-Reaction 14:389
• Glassy-Carbon-Electrode 14:389
• Gold-Electrode 44:45
• In-Vitro 38:405
• Low-Frequency-Electromagnetic-Field 42:235
• NADH 44:45
• Oxidation 41:121
• PC12-Cell 42:235
• Reduced-Level 42:235
• Self-Assembled-Cysteamine-Monolayer 44:45
• Voltammetry 14:389
Dopamine-Release
|Electric-Stimulation-Induced-» 38:281
Dopaminergic-Neuron 5:504
Dopaquinone 21:261
Dosage-Method 47:11
Dose-Response 48:193
Dosimetry 47:253
Double-Barrel 7:363
Double-Bilayer-Membrane-System 15:395
Double-Blind-Study 14:187
Double-Function 28:31
Double-Helix 7:317
Double-Helix
|Single-Stranded-» 46:07
Double-Layer-Capacitance 48:163
Douple-Step-Polarographic-Wave 2:35
Driving-Force 38:45
Dropping-Mercury-Electrode
• Adenine-Nucleotide 12:279
• Adsorption 2:215, 4:389
• Azauridine 4:389
• Cadmium 25:155
• Cathodic-Stripping-Voltammetry 12:279
• Cholic-Acid 19:263
• Coenzyme 12:279
• Differential-Pulse-Polarography 19:263
• Discharge-Kinetics 25:155
• Hydroxyproline 25:155
• Inosine 4:389
• NAD 12:279
• Oxytocin 2:215
• Polarography 25:155
• Polyriboadenylic-Acid 12:279
• Proline 25:155
• Protein-Subunit 4:399
• Reaction 2:215
• Tobacco-Mosaic-Virus 4:399
• Xanthosine 4:389
Drosophila-Melanogaster
• Chromosome 28:311, 31:39
• Genetic-Effect 36:95
• Low-Frequency-Electromagnetic-Field 28:311, 31:39
• Mutagen-Sensitive-Mutant 36:95
• Salivary-Gland-Cell 28:311, 31:39
• Somatic-Cell-Test 36:95
• Static-Magnetic-Field 36:95
• Transcription-Change 28:311, 31:39
Drug
• Anthraquinone 12:147
• Antiinflammatory 24:155
• Association-Constant 9:489
• Bacterial-Activity 9:699
• Bacterial-Growth 12:93
• Bactericidal-Efficacity 12:93
• Carbon-Paste-Electrode 23:167, 24:155
• Carrier-System 7:553
• Cell-Membrane 7:553
• Culture 9:699
• Development 7:553
• Electric-Field 7:553
• Electronic-Property 12:147
• Electrooxidation 24:155
• Escherichia-Coli 9:699
• Evolution-Time 9:699
• Gold-Electrode 9:699
• Inner-Mitochondrial-Membrane 12:147
• Lipid 9:489
• Lipid-Modified 23:167
• Lipoic-Acid 9:699, 12:93
• Microbial-Culture 12:93
• Model 9:699
• Model-Membrane 9:489
• Monolayer 9:489
• Piroxicam 24:155
• Potentiometry 12:93
• Reduction 12:93
• Tenoxicam 24:155
• Zero-Current-Potential 9:699
Drug-Activity
• Benzodiazepine 16:407
• Benzodiazepine-Iminium 16:407
• Charge-Transfer 16:407
• Correlation 16:407, 36:171
• Mechanism 16:407
• Reduction-Potential 16:407, 36:171
• Structure 16:407, 36:171
• Thiobarbiturate 36:171
Drug-Delivery
• Anticancer 47:259
• Brain 47:259
• Electroincorporation 42:283
• Electroporation 42:283, 48:03
• Enhancement 47:259
• Gene-Delivery 42:283, 48:03
• In-Vivo 42:283
• Large-Molecule 42:283
• Microwave-Induced-Hyperthermia 47:259
• Pressure-Mediated 42:283
• Transdermal-Delivery 42:283
Drug-Interaction 33:101
Drug-Ion-Transfer 31:65
Drying |Prolonged-» 33:135
Dual-Frequency 25:395
Dumbbell-Shaped-Particle 26:383
Dye-Modified 43:173
Dye-Modified-Electrode 26:351
Dynamic-Gamma-Camera 46:241
Dynamic-Measurement 1:418
Dynamical-System 43:239
Dynamics
• Adsorption 24:13
• Affinity 47:47
• Bilayer-Lipid-Membrane 41:187
• Biological-System 41:27
• Biophysical-Aspect 41:03
• Biosensor 47:47
• Brain-Injury 22:403
• Breakthrough 41:27
• Calculation 26:159
• Cellular-Automata 41:63
• Cellular-Level 41:03
• Common-Brain-Stem-System 37:31
• Complex 21:289
• Dissipation 41:187
• Electrochemical-Information 3:37
• Electrode/Solution-Interface 24:13
• Electron-Transfer-Reaction 21:289
• Electronic-Fluctuation 21:289
• Energetics 3:37
• Excitable-Biomembrane 26:159
• Experimental-Condition 22:403
• External-Electromagnetic-Field 41:63
• External-Signal 41:03
• Functional-Organization 37:31
• Heterocyclic-Compound 3:37
• Interaction 41:03
• Internal-Oscillation 41:03
• Local-pH-Gradient 41:187
• Mechanism 3:37
• Membrane-Bound-Protein 21:289
• Metalloprotein 21:289
• Microtubule 41:63
• Modeling 41:03
• Modulated-High-Frequency-Electromagnetic-Field 37:31
• Nitrogen 3:37
• Outer-Depolarizing-Cation 26:159
• pH 22:403
• Physical-Property 47:47
• Protein 21:289
• Prothrombin-Fragment 24:13
• Quantum-Mechanics 41:27
• Redox-Potential-Change 22:403
• Simulation 41:63
• Solid-Supported-Lipid-Membrane 47:47
• Structural 24:13
• Structure 47:47
• Unstirred-Layer 41:187
• Weak-Electromagnetic-Field 41:03
Early-Development 13:429
Early-Growth 32:67
Early-Receptor-Potential 5:425
Early-Stage 35:13
Earthworm 12:535
Echinocytogenesis 38:99
EDTA 34:189
Effective-Production 24:41
Effectiveness 14:219
Efficacy-Improvement 39:61
Efficiency
• ATP-Synthesis 16:167
• ATPase 16:167
• Bioelectrocatalysis 13:163
• Bipolar-Electric-Pulse 46:285
• Comparison 16:167
• Complexity 16:167
• Electric-Field-Mediated-Transformation 25:285
• Electrode-Surface 13:163
• Increase 46:285
• Inside-Out-Vesicle 16:549
• Intact-Mycobacterial-Cell 25:285
• Oxygen-Evolving-Reaction 16:549
• pH 16:549
• Physiological-State 25:285
• Plating 46:285
• Proteoliposome 16:167
• Saccharomyces-Cerevisiae 46:285
• Thylakoid 16:549
• Treatment 46:285
Ehrlich-Ascite-Tumor-Cell
• Aqueous-Solution 5:264
• Coulokinetic-Behaviour 5:252
• Cyclic-Voltammetry 5:264
• Mouse 4:171, 5:252, 5:264
• Quinone 4:171, 5:252, 5:264
• Quinone-Compound 5:264
• Reaction-Kinetics 5:264
• Redox-Potential 5:252
EIS-Study 47:343
Electret-State 8:555
Electric-Breakdown
• Approximation 6:53
• Arbitrary-Number 6:81
• Artificial-Planar-Bilayer-Membrane 25:163

- Bilayer-Lipid-Membrane 6:37, 6:53, 6:63, 6:71, 6:81, 6:89, 6:97
- Bilayer-Membrane 15:229, 15:243
- Calculation 6:53
- Conduction 15:229
- Coulter-Counter 6:349
- Death 6:89, 6:97
- Defect 6:81
- Defect-Formation 6:89, 6:97
- Defect-Origination 6:63
- Diffusion 6:53
- Electrophotoluminescence 13:191
- Electroporation 25:163
- Erythrocyte 16:455
- Experiment 6:37, 16:455
- Homogeneous-Electrical-Field 6:349
- Ionic-Composition-Change 16:455
- Kinetic-Stage 6:71, 6:81
- Lifetime 6:53
- Lifetime-Distribution-Function 6:89
- Living-Cell 6:349
- Mechanical-Rupture 25:163
- Mechanism 6:63, 9:149
- Membrane 6:53, 6:81, 6:89
- Model 6:349
- Modified-Bilayer-Lipid-Membrane 9:141
- Onset-Criteria 15:229
- Osmotic-Pressure 19:217
- Particle 6:349
- Protoplast-Membrane 19:217
- Qualitative-Discussion 6:37
- Quantitative 15:243, 25:163
- Reversible 9:141, 9:149, 13:191, 15:229, 15:243, 25:163
- Simulation 16:455
- Single-Defect-Membrane 6:71
- Statistical-Property 6:97
- Steady-State 6:53
- Stochastic-Theory 6:89, 6:97
- Swollen-Vesicle 13:191
- Theory 15:243, 25:163
- Thylakoid-Membrane 13:191
- Transient-Aqueous-Pore 15:229
- Unified 25:163
- Uranyl-Ion 9:141, 9:149
- Volume-Change 16:455

Electric-Capacitance 12:393

Electric-Characteristics
- Acer-Pseudoplatanus 7:377
- Fluorescent-Probe-Induced-Change 26:493
- Free-Cell 7:377
- Lipid-Bilayer 26:493
- Mechanical-Characteristics 26:493
- Merocyanin-540 26:493
- Plasmolysis 7:377
- Protoplast 7:377

Electric-Charge
- ATP-Hydrolysis 7:353
- Bimolecular-Lipid-Membrane 7:353
- Catalyzed 7:353
- Chloroplast 13:117
- Flux 7:353
- Membrane-Surface 13:117
- Na-K-ATPase 7:353
- pH-Dependence 13:117
- Photosynthetic-Membrane 13:117
- Temperature-Inactivation 13:117

Electric-Charge |Static-» 3:99

Electric-Charge-Transport 1:364

Electric-Conductivity
- Anthracyclinic-Antibiotics 34:45
- Biomedical-Application 30:55
- Dielectric-Permittivity 30:55
- Electromagnetic-Inverse-Problem 30:55
- Electron-Microscopy 34:45
- Human-Erythrocyte-Membrane 34:45
- Ion-Permeation 41:197
- Noninvasive-Reconstruction 30:55
- Planar-Lipid-Membrane 41:197
- Radiowave 34:45

Electric-Connection 33:67

Electric-Contact 42:95

Electric-Control 28:489

Electric-Coupling 14:339

Electric-Current
- Acetobacter-Suboxydans-Strain 34:185
- Biotechnology 20:133
- Electric-Field 20:133
- Fermentation-Broth 34:185
- Living-Cell 20:133
- Potential-Use 20:133

Electric-Double-Layer
- Beta-Microglobulin 39:129
- Ion-Flux 16:559
- Mercury/Solution-Interface 39:129
- Voltage-Gated 16:559

Electric-Energy 31:77

Electric-Event 1:407

Electric-Field
- 50-Hz-Magnetic-Field 30:143
- Absorption 15:457
- Adaptation 29:185
- Aluminum-Electrode 39:39
- Amplitude 33:19
- Anomalous-Heating 39:39
- Axially-Symmetrical-Pore 33:25
- Bile-Secretion 19:67
- Bioelectrical-Effect 14:131
- Biological-Cell 27:89, 42:221
- Biological-Charged-Interface 5:185
- Biopolymer 5:313
- Biotechnology 20:133
- Carrier-System 7:553
- Cell-Membrane 7:553
- Cell-Proliferation 30:143
- Cell-Response 33:19
- Centrifugal 24:33
- Chronic-Wound-Healing 43:265
- Clinical-Study 43:265
- Comparison 24:33
- Controlled-Potential 15:353
- Conversion 15:457
- Correlation 33:19
- Cultured-Mammalian-Cell 30:143
- Cyclic-AMP 30:143
- Deformation 34:101
- Development 7:553
- Dielectrics 15:353
- Discrete-Charge 11:231
- Distribution 33:25, 43:265
- Drug 7:553
- Electric-Current 20:133
- Electric-Stimulation 43:265
- Electrolysis 15:353
- Electroporation 39:39
- Energy 15:457
- Enhancement 43:265
- Erythrocyte-Membrane 7:281
- Experiment 39:39
- Exponential-Pulse 39:39
- Fluctuation 33:19
- Functional-Role 7:281
- Functionality 19:67
- Fusion 17:09, 24:33
- Hepatocyte 17:09
- HL-60-Cell 29:185
- Increase 29:185
- Inner-Layer 5:185
- Lipid-Swelling 19:323
- Lipid-Vesicle 34:101
- Liposome-Formation 19:323
- Liver 19:67
- Living-Cell 20:133
- Magnetic-Field 14:131, 29:185, 33:19
- Mediated 19:323
- Membrane-Bound-ATPase 15:457
- Membrane-Coated-Electrode 15:353
- Membrane-Conductance 11:231
- Microtubule 45:239
- Morphological-Alteration 17:09
- Nonlinear-Cell-Membrane 14:13
- Numerical-Calculation 42:221
- Numerical-Wound-Model 43:265
- Organic-Electrosorption 5:185
- Plasma-Membrane 33:19
- Potential-Use 20:133
- Probe 5:185
- Rat-Hepatocyte 24:33
- Stability 11:231
- Stimulated-Current-Flow 14:13
- Stimulation 14:131
- Structural-Transition 5:313
- Theory 34:101
- Three-Dimensions 42:221
- Transcript 29:185
- Water-Structure 5:185

Electric-Field |50-Hz-»
- 50-Hz-Magnetic-Field 39:119
- Bone-Marrow 39:119
- Cadmium 39:119
- Development 30:195
- Longitudinal-Study 30:195
- Rat 30:195
- Reproduction 30:195
- Tumor-Cell 39:119

Electric-Field |Alternating-Current-»
- Deformation 27:373
- Direct-Current-Electric-Field 47:167
- Fused 27:373
- Hematopoietic-Blast 27:373
- HL-60-Cell 28:301
- Normal 27:373
- Orientation 25:31
- Pea-Chloroplast 25:31
- Photoreceptor-Rod 47:167
- Transcription-Change 28:301
- Xenopus-Laevis 47:167

Electric-Field |Alternating-Weak-» 44:257

Electric-Field |Alternating-» 32:15

Electric-Field |Applied-» 43:285

Electric-Field |Direct-Current-» 47:167

Electric-Field |Direct-» 17:205

Electric-Field |Discontinuous-Rotating-» 10:155

Electric-Field |External-»
- Bacteriorhodopsin 12:49
- Biosynthesis 19:569
- Electrochemical-Model 19:569
- Membrane-Protein 12:49
- Stimulation 19:569

Electric-Field |Extremely-Low-Frequency-Capacitively-Coupled-Weak-» 48:369

Electric-Field |Extremely-Low-Frequency-»
- Biological-Interaction 25:01
- Cell 44:141
- Experiment 44:141
- Extremely-Low-Frequency-Magnetic-Field 25:01
- Fluorescence-Signal 44:141
- In-Situ 44:141
- Measurement 44:141
- Mouse-Osteoblastic-Cell 47:349
- Proliferation 47:349

Electric-Field |High-Frequency-» 20:143

Electric-Field |High-Intensity-» 14:45

Electric-Field |High-» 7:723

Electric-Field |Homogeneous-» 27:305

Electric-Field |Intramembrane-» 24:113

Electric-Field |Intraprotein-» 48:397

Electric-Field |Low-Frequency-Alternating-» 48:481

Electric-Field |Low-Frequency-Low-» 28:279

Electric-Field |Low-Frequency-Modulated-Radiofrequency-» 37:11

Electric-Field |Low-Frequency-»
- ADP-Level-Change 46:255
- ATP-Level-Change 46:255
- Cell-Metabolism 31:01
- Electrostimulation 31:01
- Gene-Expression 31:167
- HL-60-Cell 46:255
- Low-Frequency-Electromagnetic-Field 31:01
- Low-Frequency-Magnetic-Field 31:167
- Reactive-Oxygen-Species 46:255
- Saccharomyces-Cerevisiae 31:167
- Treatment 46:255
- Zymosan-Activated 46:255

Electric-Field |Low-» 42:275

Electric-Field |Nonuniform-Alternating-» 24:203

Electric-Field |Oscillating-» 26:251

Electric-Field |Radiofrequency-» 26:193
Electric-Field |Rotating-» 29:81
Electric-Field |Static-» 46:237
Electric-Field |Strong-Alternating-Current-» 47:301
Electric-Field |Strong-» 7:83
Electric-Field |Time-Varying-» 45:03
Electric-Field |Ultrahigh-Frequency-» 30:327
Electric-Field |Weak-Alternating-Current-» 44:261
Electric-Field |Weak-Alternating-»
• Calcium-Flux 40:15
• Human-Erythrocyte 45:127
• Peritoneal-Exudative-Macrophage 40:15
• Sodium-Concentration 45:127
Electric-Field |Weak-Extremely-Low-Frequency-»
• Cell-Culture 14:99
• Detection 47:207
• Model 47:207
• Weak-Extremely-Low-Frequency-Magnetic-Field 47:207
Electric-Field |Weak-» 35:39
Electric-Field-Distribution 48:201
Electric-Field-Effect
• Adenosine 3:338
• Adsorption 3:338
• Bacillus-Thuringiensis 11:181
• Bacterial-Motility 10:499
• Biological-Implication 9:223
• Bioluminescence 43:197
• Blastocyst 9:223
• Blastomere 9:223
• Chemotaxis 10:499
• Cytosine 3:338
• Electrofusion 43:197
• Enhancement 43:197
• Fusion 9:223, 11:181
• High-Electric-Field-Pulse 11:181
• Intensity 43:197
• Kinetics 32:99
• Lampito-Mauritii 43:197
• Mechanism 32:99
• Mediated 32:99
• Membrane-Fusion 32:99
• Microbiological-Implication 11:181
• Mouse-Embryo 9:223
• Na-K-ATPase 28:291
• Protoplast 11:181
• Temperature-Dependence 28:291
Electric-Field-Effect |Direct-» 25:455
Electric-Field-Mediated-Transformation 25:285
Electric-Field-Pulse |High-» 11:181
Electric-Field-Strength-Distribution 26:205
Electric-Gene-Transfer 13:219
Electric-Impedance 45:83
Electric-Impedance-Measurement 19:207
Electric-Induction 8:661
Electric-Injury 47:237
Electric-Interaction
• Biomembrane-Induced-Chemical-Reaction 5:780
• Deformational-Instability 5:401, 5:780
• Membrane-Induced-Chemical-Reaction 5:401
Electric-Investigation 17:81
Electric-Light-Scattering 28:451
Electric-Noise 36:33
Electric-Oscillation
• Bacteriorhodopsin 36:61
• Electron-Acceptor 34:149
• Electron-Donor 34:149
• Light-Driven 36:61
• Lipid-Impregnated 36:61
• Modulation 36:61
• Polypyrrole–Lecithin-Bilayer-Lipid-Membrane 19:283
• Polypyrrole-Membrane 34:149
• Porous-Membrane-Filter 36:61
• Proton-Pump 36:61
Electric-Parameter 17:35
Electric-Parameter-Change
• Chemical-Treatment 40:159
• Erythrocyte-Membrane 31:193
• Hemolysis 31:193
• Isolation 40:159
• Membrane 40:159
• Photooxidized 31:193
• Pre-Irradiated 31:193
• Protoplast 40:159
• Psoralen 31:193
• Yeast 40:159
Electric-Polarizability 13:453
Electric-Potential
• Adsorption 23:27
• Amphiphilic-Ion 23:27
• Animal-Cell 6:543
• Bilayer-Lipid-Membrane 19:499, 23:27
• Biologically-Important-Substance 33:159
• Carbon-Dioxide-Gradient 5:77
• Carbon-Dioxide-Transport 5:77
• Cell-Surface 6:543
• Distribution 6:543, 23:27
• Electrokinetic-Property 6:543
• Electrophoresis 6:543
• Epithelial-Cell 1:208
• Intracellular 1:208
• Liquid-Membrane 33:159
• Mechanism 19:499
• Propranolol 19:499
• Protein-Solution 5:77
• Rabbit-Gallbladder 1:208
• Spontaneous-Oscillation 33:159
• Surface-Coat 6:543
• Verapamil 19:499
• Water/Octanol/Water-System 33:159
Electric-Potential |Cellular-» 5:411
Electric-Potential-Difference 6:289
Electric-Potential-Profile 32:305
Electric-Property
• Alpha-Latrotoxin 17:361
• Amino-Acid 2:154, 44:23
• Barium-Ion 1:200
• Bilayer-History 37:61
• Biological-Sample 37:05
• Biological-Tissue 40:147
• Calcium-Ion 1:200
• Cardiac-Membrane 1:200
• Complex 17:361
• Constant-Magnetic-Field 14:495
• Correlation 44:23
• Cyclic-Voltammetry 39:275
• Equivalent-Circuit 40:147
• Eukaryotic-Gene-Expression 25:357
• Genetic-Code 44:23
• Measurement 37:05
• Mechanical-Property 37:61
• Modeling 40:147
• Nuclear-Envelope 25:357
• Optical-Property 2:154
• Passive 14:495
• Planar-Lipid-Bilayer 17:361
• Potential-Dependence 37:61
• Protein 2:154
• Purified 17:361
• Quinone-Complex 2:154
• Radiofrequency-Magnetic-Field 37:05
• Receptor 17:361
• Red-Blood-Cell 14:495
• Regulation 25:357
• Solvent-Redistribution 37:61
• Strontium-Ion 1:200
• Structure 44:23
• Supported-Bilayer-Lipid-Membrane 39:275
• Supported-Lipid-Bilayer 37:61
• Surface-Potential 37:61
Electric-Property |Passive-» 22:135
Electric-Property-Change 36:39
Electric-Pulse
• Antitumor 38:203
• Biomedical-Application 38:203
• Cell-Surface-Charge-Change 22:127
• Electrochemotherapy 38:203
• Transmembrane-Potential 27:33
• Yeast 27:33
Electric-Pulse |Bipolar-» 46:285
Electric-Pulse |High-Voltage-»
• Killing-Efficiency 39:195
• Rat-Subcutaneous-Glioma-Tumour 47:163
• Yeast-Cell 39:195
Electric-Response 32:27
Electric-Stimulation
• Charge-Injection 2:13
• Chronic-Wound-Healing 43:265, 43:271
• Clinical-Study 43:265
• Cultured-Neuron 29:193
• Distribution 43:265
• Electric-Field 43:265
• Enhancement 43:265, 43:271
• Fluorescence-Change 5:142
• Garfish-Olfactory-Nerve 5:142
• Muscle-Activation 43:257
• Nerve-Regeneration 29:121
• Nervous-System 2:13
• Noble-Metal-Electrode 2:13
• Numerical-Modeling 43:271
• Numerical-Wound-Model 43:265
• Parameter-Determination 43:271
• Physiologically-Based-Model 43:257
• Planar-Electrode-Array 29:193
• Principle 2:13
• Recording 29:193
• Verified 43:257
Electric-Stimulus 16:235
Electric-Stress 48:17
Electric-Structure 8:293
Electrical-Response |Light-Induced-» 43:71
Electrically-Excitable-Cell 3:614
Electrically-Exposed-Cell 16:89
Electrically-Injected-Ion 3:49
Electrically-Mediated 47:129
Electricity 14:29
Electro-Incorporation 38:209
Electro-Optical-Study 13:453
Electro-Optical-Technique 9:499
Electro-Phytogram 8:645
Electro-Reduction 2:69
Electroactive-Disulfide-Bond |Number-of-» 41:115
Electroactive-Group 16:325
Electroactive-Marker
• Avidin–Biotin-Binding 33:205
• Biotin-Derivative 33:205
• Distorted-Region 12:135
• DNA-Double-Helix 12:135
• Electrochemical-Determination 33:205
• Polynucleotide-Chain 12:135
• Probe 12:135
Electroactive-Metabolite 11:417
Electroactivity 9:91
Electroadsorption
• Bacteria 11:347, 17:175
• Porous-Carbon-Electrode 11:347, 17:175
• Porous-Graphite-Electrode 17:175
• Removal 11:347
• Water 11:347
Electroanalysis
• Clostridium-Sporogene 20:21
• Electrosynthesis 20:21
• Lipid-Peroxide 18:127
Electroanalytical-Characterization 28:127
Electroarteriography 12:03
Electrobioluminescence
• Calcium-Ion 15:341
• Earthworm 12:535
• Excited-State 19:09
• Extracted-Cell 22:219
• Lampito-Mauritii 15:341, 17:105, 19:09, 22:219
• Parallel-Mechanism 19:09
• Secretory-Difference 17:105
• Segmentary-Electron-Input 17:105
Electrocapillary-Measurement 25:137
Electrocardiography |Wilson's-Central-Terminal-» 47:291
Electrocatalysis
• Analytical-Application 38:229
• Carbon-Dioxide 24:241
• Carbon-Material 12:297
• Cathodic-Reduction 6:393
• Conducting-Organic-Polymer-Electrode 38:229

- Electrochemical-Fixation 24:241
- Enzyme-Modified 12:297
- Laccase 6:393
- Malic-Acid 24:241
- Malic-Enzyme 24:241
- Neurotransmitter 38:229
- Organic-Metallic-Complex 4:18
- Oxygen 4:18, 6:393
- Pyruvic-Acid 24:241
- Reduction 4:18

Electrocatalytic-Influence 14:375

Electrocatalytic-Oxidation
- Alkaline-Phosphatase 10:427
- Catechol-Phosphate 10:427
- Covalently-Bound 44:45
- Dopamine 44:45
- Gold-Electrode 44:45
- Immobilized 10:427
- NADH 44:45
- Self-Assembled-Cysteamine-Monolayer 44:45

Electrocatalytic-Property 39:267

Electrocatalytic-Reduction 39:139

Electrocatalytic-Sensor
- Development 5:607
- Glucose 5:607, 26:43
- Implantable 5:607
- Subcutaneous-Application 26:43

Electrochemical-Analysis 7:539

Electrochemical-Aspect
- Cytochrome 4:500
- Liver-Microsome 4:500
- Osteogenesis 12:323
- Stimulation 12:323

Electrochemical-Bioassay-System
- Environmental-Stress 37:141
- Escherichia-Coli 34:177, 37:141
- Multichannel-Analyzer 34:177
- Redox-Measurement 34:177
- Redox-Response 37:141

Electrochemical-Cell 22:145

Electrochemical-Characteristics 8:633

Electrochemical-Characterization
- Chlorophyll 23:311
- Cyclic-Voltammetry 19:111
- Dihydro-Compound 11:51
- Dimethylamino-Trimethylpterin 11:51
- Electrochemical-Reduction 11:51
- Kinetic-Characterization 11:51
- Metal-Mercaptide-Complex 19:111
- Metalloprotein 19:111
- Metallothionein 19:111
- Spectral-Characterization 11:51
- Spectroscopic-Characterization 23:311
- Water–Organic-Solvent-Mixture 23:311

Electrochemical-Classification 22:331

Electrochemical-Connection 33:67

Electrochemical-Conversion
- Alkaline-Phosphatase 15:407
- Biofuel-Cell 11:273
- Ceruloplasmin 15:407
- Clostridium-Butyricum 11:273
- Lactoperoxidase 15:407
- Mercury-Electrode 15:407
- Staphylococcus-Aureus-Oxford 11:273

Electrochemical-Cultivation 43:61

Electrochemical-Data 9:299

Electrochemical-Determination
- Avidin–Biotin-Binding 33:205
- Benzodiazepine 10:37
- Biological-Fluid 10:37
- Biological-Sample 46:33
- Biotin-Derivative 33:205
- Carbon-Paste-Electrode 45:227
- Electroactive-Marker 33:205
- Flow-System 45:227
- Interaction 3:528, 4:217
- Kinetic-Parameter 29:19
- Membrane-Covered 45:227
- Microperoxidase 45:227
- Mushroom-Tyrosinase 29:19
- Nitric-Oxide 46:33
- Peroxidase 45:227
- Single-Neutrophil 26:413
- Spread-Lipid-Monolayer 3:528, 4:217
- Structure 3:528, 4:217
- Superoxide 46:33
- Superoxide-Anion 26:413

Electrochemical-Disinfection 27:191

Electrochemical-Disinfection-Effect 9:229

Electrochemical-Effect 1:108

Electrochemical-Electron-Transfer 40:197

Electrochemical-Energetics 1:14

Electrochemical-Equivalent-Cell 17:409

Electrochemical-Evidence
- Ampicillin 10:395
- Glutathione 10:395
- Interaction 10:395
- Nifurtimox 38:355
- Nitro-Radical-Anion 38:355

Electrochemical-Examination 8:523

Electrochemical-Feature 8:189

Electrochemical-Fixation 24:241

Electrochemical-Fluorescence-Method 17:303

Electrochemical-Function 1:322

Electrochemical-Identification 41:107

Electrochemical-Impedance
- Erythrocyte-Membrane 10:229
- Ferrocyanide 10:213
- Mass-Transfer-Phenomena 10:213
- Measurement 10:213
- Mechanical-Property 10:229
- Model 10:213
- Oxidation 10:213
- Rotating-Disk-Electrode 10:213
- Whole-Blood 10:213

Electrochemical-Impedance-Measurement 25:241

Electrochemical-Information
- Brain 5:504
- Dopaminergic-Neuron 5:504
- Dynamics 3:37
- Energetics 3:37
- Heterocyclic-Compound 3:37
- In-Vivo 5:504
- Mechanism 3:37
- Metabolism 5:504
- Nitrogen 3:37
- Release-Process 5:504
- Storage 5:504

Electrochemical-Insight 11:75

Electrochemical-Interaction 38:15

Electrochemical-Interference 4:73

Electrochemical-Mass-Transfer 2:351

Electrochemical-Measurement
- Addition 46:249
- Analytical-Purpose 2:251
- Biological-Reaction 2:251
- Calcium-Ion 46:249
- Coupling 2:251
- Escherichia-Coli 46:249
- Ethylenediaminetetraacetic-Acid 46:249
- Glucose-Dehydrogenase 46:249
- Magnesium-Ion 46:249
- Organic-Reaction 2:251
- Pyrroloquinoline 46:249
- Quinone 46:249

Electrochemical-Membrane 23:01

Electrochemical-Membrane-Potential 17:261

Electrochemical-Method
- Concentrated-Mixture 27:509
- Diaphorase-Reaction 47:179
- Ferment-Activity 27:509
- Ferredoxin-$NADP^+$-Reductase 47:179
- Polyphenol-Oxidase 27:509
- Preparation 6:441
- Tetrahydrofolic-Acid 6:441

Electrochemical-Methodology
- Belousov–Zhabotinsky-System 13:287
- Briggs–Rauscher-Reaction 11:435
- Kinetic-Model 13:287
- Oscillating-Chemical-Reaction 11:435
- Oscillating-System 13:287

Electrochemical-Model
- Biosynthesis 19:569
- External-Electric-Field 19:569
- Kinetics 16:245
- Oxidative-Phosphorylation 9:663, 16:245
- Stimulation 19:569

Electrochemical-Oxidation
- Alkaline-Phosphate-Solution 13:343
- Aminobutyric-Acid 28:367
- Aqueous-Solution 1:96
- Benzonitrile 11:359
- Bile-Pigment 29:01
- Biological-Purine 8:413
- Biologically-Important-Purine 1:49
- Bovine-Serum-Albumin 7:595
- Catechol-Ester 7:11
- Chemical-Oxidation 1:96
- Chemical-Transformation 10:199
- Chlorophyll 22:75
- Comparative-Study 28:367
- Comparison 9:39, 44:201
- Concanavalin-A 7:595
- Correlation 12:413
- Deureation 1:180
- Dimethyl-Uric-Acid 7:433
- Dimethyluric-Acid 44:201
- Disulfide 10:199
- DNA 9:245
- Electrochemical-Reduction 29:01
- Enzymatic 7:433, 43:105, 44:201
- Enzymic-Oxidation 8:413
- Graphite-Electrode 7:69, 9:245
- Guanosine 43:105
- Hydrolase 7:11
- Hydroxyguanosine 43:105
- Imine-Alcohol 9:273
- Intermediate 9:273
- Methyluric-Acid 43:205
- Model-Compound 1:96
- Mouse 43:105
- NADH 1:96
- Netropsin 9:245
- Neuroleptics 12:413
- Nickel-Tetraphenylporphyrin 11:359
- Nucleic-Acid 7:69
- Oxidation-Product 43:105
- Para-Aminophenol-Ester 7:11
- Peak 13:343
- Peroxidase-Catalyzed 9:39, 13:343, 15:257, 43:205
- Pharmacological-Property 12:413
- Platinum 28:367
- Platinum-Electrode 22:75
- Protein 7:69, 7:595
- Purine-Biochemistry 1:49
- Pyrrole-Pigment 29:01
- Qualitative-Aspect 7:69
- Reactivity 29:01
- RNAase-A 7:595
- Solid-Electrode 7:595
- Spectroelectrochemical-Evidence 9:273
- Surface 28:367
- Thin-Film 22:75
- Thiouracil 10:199
- Thiouracil-Disulfide 10:199
- Thiouric-Acid 24:355
- Tin-Dioxide-Electrode 22:75
- Tryptophan 15:257
- Uric-Acid 9:39, 9:273, 13:343, 24:355
- Voltammetric-Oxidation 13:343

Electrochemical-Oxidation |Indirect-» 9:313

Electrochemical-Parameter 14:449

Electrochemical-Phenomena
- Chloroplast-Thylakoid 1:408
- Light-Reaction 1:408
- Mechanism 1:227
- Tissue-Growth 1:227
- Tissue-Repair 1:227

Electrochemical-Polymerization 32:35

Electrochemical-Potential
- Charge-Transfer 32:01
- Complexation 32:01
- Quinoid-System 32:01
- Revisited 28:05

Electrochemical-Potential-Difference 17:269

Electrochemical-Process 42:241
Electrochemical-Property
• Adsorbed 38:401
• Aqueous-Solution 11:105
• Biomembrane 1:355
• Biosynthetic-Polynucleotide 1:487, 2:245
• Catalyst-Concentration 4:54
• Catecholamine 7:741
• Comparative-Study 1:487, 2:245
• Comparison 11:319
• Copper-Containing-Oxidase 40:49
• Cytochrome 11:319
• Denatured-DNA 1:487, 2:245
• Enzyme 2:43, 38:401
• Ferrocyanide–Ferricyanide-Reaction 27:501
• Flavin 11:105
• Horse-Heart 11:319
• Horseradish-Peroxidase 38:401
• Kinetics 27:501
• Macromolecule 2:43
• Melanin 7:741
• Mercury-Electrode 1:487, 2:245
• Metal-Porphyrin 23:93
• Mixed-Monolayer 27:207
• Mixed-Monolayer-Assembly 27:501
• Modified-Bilayer-Lipid-Membrane 23:93
• Modified-Gold-Electrode 27:207, 27:501
• Monoclonal-Antibody 38:401
• N-Substituted-Phenothiazine 1:355
• Native-DNA 1:487, 2:245
• Natural-Polynucleotide 1:487, 2:245
• Oscillating-Chemical-Reaction 4:54
• Peroxidase 5:18
• pH 11:319
• Polar-Head-Group 27:501
• Pseudomonas-Aeruginosa 11:319
• Quaternary-Ammonium-Salt 1:355
• Redox-Indicator 4:346
• Simplified-Model 1:355
• Solid-Graphite 38:401
• Spectrophotometric-Property 11:319
• Water-Solution 2:43
Electrochemical-Reaction
• Acceleration 6:587
• Adsorption 14:347
• Biochemical-Reaction 7:807
• Bipyridyl-Monolayer 14:347
• Coupling 7:807
• Covered 14:347
• Cytochrome 34:153
• Enzyme 6:587
• Glucose-Oxidase 21:133
• Graphite-Electrode 21:133
• Hemoprotein 8:681
• Mechanism 8:681
• Mercury-Electrode 14:347
• Modified-Gold-Electrode 34:153
• Oscillatory-Kinetics 7:625
• Phase-Boundary 7:625
• Protein 14:347
• Thiophene 34:153
Electrochemical-Reactivity
• Biologically-Active 17:567
• Catalytic-Activity 8:257
• Comparison 48:43
• Cysteine 48:43
• Glassy-Carbon-Electrode 17:567
• Homocysteine 48:43
• Mercury-Electrode 48:43
• Metal-Cation 8:257
• Model-Compound 8:257
• NADH 8:257
• Quinone–Hydroquinone-Sesquiterpenoid 17:567
Electrochemical-Reduction
• Adenine 14:503
• Analytical-Application 26:441
• Aqueous-Media 16:287
• Aqueous-Solution 18:13
• Azido-Nucleoside 26:441
• Bile-Pigment 29:01
• Bilirubin 17:101
• Biological-Activity 46:21
• Bonded-Oxygen 45:287
• Chemical-Reduction 18:13
• Coenzyme 14:503
• Dihydro-Compound 11:51
• Dimethoxy-Nitrobenzene 46:21
• Dimethylamino-Trimethylpterin 11:51
• Dissolved-Oxygen 18:13
• Disulfide-Bond 3:264
• DNA-Modified-Glassy-Carbon-Electrode 42:175
• Electrochemical-Characterization 11:51
• Electrochemical-Oxidation 29:01
• Epsilon-Adenine 16:287
• Epsilon-Adenosine 16:287
• Epsilon-NAD^+ 16:287
• Functioning 21:367
• Generation 46:21
• Kinetic-Characterization 11:51
• Lewis-Acid 5:388
• Mechanism 3:123, 26:441
• Metronidazole 42:175
• Modified-Gold-Electrode 45:287
• NAD 5:388, 8:355
• NAD^+ 14:503
• Nitro-Radical-Anion 46:21
• Oxyhemoglobin 45:287
• Participation 14:503, 21:367
• Pheophytin 21:367
• Photosystem-II 21:367
• Product 8:355
• Protein 3:264
• Pyrrole-Pigment 29:01
• Reactivity 29:01
• Reduction 14:503
• Self-Assembled-Cysteamine-Monolayer 45:287
• Spectral-Characterization 11:51
• Synthetic-Application 26:441
• Vitamin-B12R 3:123
Electrochemical-Reduction |Indirect-» 2:231
Electrochemical-Reduction-Mechanism
• Dimethylformamide 15:125
• Mercury-Electrode 15:125
• Pyrromethenone 15:125
• Thiouracil-Derivative 10:169
Electrochemical-Regulation 16:205
Electrochemical-Removal 7:469
Electrochemical-Response 21:343
Electrochemical-Sensing 38:405
Electrochemical-Serum-Biosensor 31:311
Electrochemical-Spectroscopy 33:181
Electrochemical-Splitting 4:195
Electrochemical-Stability 15:57
Electrochemical-Sterilization 13:393
Electrochemical-System 1:162
Electrochemical-Technique
• Bilayer-Lipid-Membrane 42:187
• Biological-Redox-Chemistry 14:251
• Body-Event 1:418
• Channel 42:187
• Control-Mechanism 38:251
• Dynamic-Measurement 1:418
• Electrophysiology 38:251
• Identification 42:187
• Membrane-Process 42:187
• Neuroendocrine-Cell 38:251
• Purine 14:251
• Secretion 38:251
Electrochemical-Theory 25:81
Electrochemical-Transduction 36:145
Electrochemical-Transfer 25:71
Electrochemical-Transformation 19:581
Electrochemical-Treatment 47:11
Electrochemical-Trigger 3:370
Electrochemically-Active-Substance 17:519
Electrochemically-Driven 27:495
Electrochemically-Oxidizable-Component 18:137
Electrochemically-Pretreated 14:389
Electrochemiluminescence 27:141
Electrochemotherapy
• Antitumor 38:203
• Antitumor-Effect 35:23
• Antitumor-Effectiveness 43:279
• Biomedical-Application 38:203
• Changing 39:61
• Comparison 43:279
• Current-Distribution 48:201
• Efficacy-Improvement 39:61
• Electric-Field-Distribution 48:201
• Electric-Pulse 38:203
• Electrode-Orientation 39:61
• Immunocompetent 43:279
• Immunodeficient 43:279
• LPB-Sarcoma 43:279
• Mouse 39:61, 43:279
• Solid-Tumor 39:61
• Tumor-Model 35:23
• Variable 35:23
Electrochromic-Absorbance-Change 7:575
Electroconductive-Membrane 39:89
Electroconformational-Coupling
• Active-Pumping 26:251
• Cellular-Energy 21:319
• Electric-Field-Induced-Oscillation 21:319
• Enzyme 21:319
• Ion-Transport 26:251
• Oscillating-Electric-Field 26:251
• Rectification 26:251
• Signal-Transduction 21:319
Electroconformational-Damage |Field-Induced-» 47:237
Electrode
• Adsorbed 7:309
• Amperometry 11:307
• Aztreonam 45:281
• Bioelectrochemical-Stimulation 5:232
• Biofuel-Cell 3:139
• Biological-Fluid 45:281
• Catalyst-Binder 8:115
• Cell-Potential-Change 9:325
• Characteristics 3:139
• Chlorophyll 7:309
• Cholesterol 11:307
• Collagen-Film 5:548
• Construction 3:139
• Covered 12:499
• Development 8:115
• Electric-Impedance-Measurement 19:207
• Endothelial-Cell 19:207
• Enzyme 11:307
• Escherichia-Coli 6:477, 9:325
• Glucose 3:139, 5:548, 8:115
• Glucose-Oxidase 5:548
• Hemodynamic-Stress 19:207
• Highly-Sensitive 5:548
• Implantable-Bone 5:232
• Measurement 8:115
• Membrane-Potential 6:477
• Monobactam-Antibiotics 45:281
• Oxidase-Cofactor 9:307
• Performance 3:139
• Pheophytin 7:309
• Photoelectrolysis 12:499
• Photosystem-I 12:499
• Photosystem-II 12:499
• Plant-Morphogenesis 19:461
• Quantitative-Measure 9:307
• Redox-Responsive 19:461
• Sensitive 6:477
• Sequence 11:307
• Spectroscopy 7:309
• Substrate-Concentration 9:307
• Sugar-Addition 9:325
• Tetraphenyl-Phosphonium 6:477
• Tetraphenyl-Phosphonium-Sensitive 9:325
• Water 12:499
Electrode |Modified-» 19:337
Electrode-Behavior
• Complex-Formation 9:627, 9:639
• Copper-Phenanthroline-Complex 9:627, 9:639
• Ligand 9:627, 9:639
• Nitrogen-Donor-Atom 9:627, 9:639
• Oxygen-Donor-Atom 9:627, 9:639

- Pi-Acid 9:627, 9:639
- Secondary-Ligand 9:627, 9:639
- Solution 9:627, 9:639
- Ternary-Complex 9:627, 9:639

Electrode-Kinetics
- Cytochrome-Model 1:73
- Iron-Porphyrin 2:184

Electrode-Material
- Configuration 30:209
- Deposition 35:93
- Direct-Electric-Current 30:209, 35:93
- pH 30:209
- Temperature 30:209
- Treatment 30:209, 35:93
- Tumor 30:209, 35:93

Electrode-Noise 1:293

Electrode-Orientation 39:61

Electrode-Polarization
- Biomass 46:91, 46:105
- Capacitive-Measurement 46:91, 46:105
- Dielectric-Spectroscopy 46:91, 46:105
- Fermentation 46:91
- Frequency-Method 46:105
- Reduction 46:105

Electrode-Position 8:661

Electrode-Potential 28:71

Electrode-Process
- Brilliant 21:233
- Covered 21:233
- Cresyl-Blue 21:233
- Differential-Pulse-Polarography 15:329
- Glutamate-Dehydrogenase 15:329
- Hemoglobin 21:233
- Nucleic-Acid 14:417
- Nucleoprotein 14:417
- Platinum-Electrode 21:233
- Protein 14:417

Electrode-Reaction
- Adsorption 14:389
- Cytochrome 6:385, 8:239
- Desulfovibrio-Desulfuricans-Norway 6:385
- Desulfovibrio-Vulgaris 28:191
- Desulfovibrio-Vulgaris-Hildenborough 6:385
- Desulfuromonas-Acetoxidans 8:239
- DNA 4:476
- Dopamine 14:389
- Electrochemically-Pretreated 14:389
- Glassy-Carbon-Electrode 14:389
- Ionic-Strength 4:476
- Lipoic-Acid 10:269
- Membrane-Bound-Hydrogenase 28:191
- Soluble-Domain 28:191
- Strain-Miyazaki-F 28:191
- Voltammetry 14:389

Electrode-Surface
- Active-Diaphorase 29:337
- Adsorbed 8:167
- Bioelectrocatalysis 13:163
- Biopolymer 4:522
- Compaction 4:464, 8:167
- Cultured 20:169
- Cytosine-Derivative 7:517
- DNA 2:287, 4:464, 8:167
- Efficiency 13:163
- Electrocapillary-Measurement 25:137
- HeLa-Cell 20:169
- Immobilized 29:337
- Kinetics 4:464
- Lysis 20:169
- Mercury-Electrode 25:137
- Model 2:287, 4:522, 8:167
- Morphological-Change 20:169
- Pi-State 8:167
- Poly-Electrolyte 8:167
- Potential 8:167
- Potential-Controlled 20:169
- Reorientation 7:517
- Surface-Orientation 25:137
- Thymidine 25:137
- Thymine 25:137
- Uracil 25:137
- Uridine 25:137

Electrode/Solution-Interface
- Adsorption 8:223, 24:13
- Charged-Interface 5:314
- Dynamics 24:13
- Model 5:314
- Nucleic-Acid 5:314
- Para-Aminobenzene-sulfonamide 8:223
- Phenyl-Derivative 8:223
- Prothrombin-Fragment 24:13
- Pyridyl-Derivative 8:223
- Structural 24:13

Electrodialysis-System 21:47

Electrodic-Memory 5:43

Electrodynamic-Stimulation 14:135

Electroencephalogram 14:215

Electroenzymatic-Process 44:65

Electrofusion
- Additive 48:447
- Anaesthetic-Agent 47:89
- Anchorage-Dependent-Strain 19:49
- Barley-Protoplast 26:87, 34:109
- Bioluminescence 43:197
- Blastomere 15:513
- Cell-Culture 19:49, 19:59
- Cell-Growth 19:59
- Chemical-Promotion 34:115
- Control 21:149
- Correlation 20:155
- Design 34:115
- Divalent-Cation 27:37
- Effective-Production 24:41
- Electric-Field-Effect 43:197
- Electropermeabilization 24:101, 46:263, 47:89
- Electroporation 20:155, 44:227
- Enhancement 43:197
- Experiment 19:173
- Generation 43:35
- HC-Antigen 24:41
- Human-Lymphoma-Cell 46:263
- Hybridization 22:57
- Hybridoma 24:41
- Hybridoma-Production 19:173
- Implication 24:101
- Intensity 43:197
- Lampito-Mauritii 43:197
- Large-Volume 19:49, 19:59
- Mechanism 48:435
- Membrane-Active-Agent 26:87
- Membrane-Interface 24:101
- Microextension 48:435
- Modification 26:87, 41:161
- Modified-Human-Cell 47:89
- Molecular-Contact 48:435
- Monoclonal-Antibody 24:41
- Monoclonal-Progesterone-Antibody 43:35
- Mouse 15:513
- Murine-Embryonic-Cell 21:149
- Nucleic-Acid-Modified 44:227
- Physical-Parameter 20:155
- Plant-Protoplast 34:115
- Polylysine-Support 39:181
- Polymer-Supported 34:109
- Protein 41:161
- Protein-Adsorption-Modified 44:233
- Proteolytic-Enzyme 46:263
- Protoplast 20:155, 22:57, 44:233, 48:447
- Rat 15:513
- Salmonella 24:41
- Secretion 24:41
- Structural-Force 24:101
- Surface-Active 34:115
- Suspension 19:59
- Synergistic-Effect 34:109
- Synthesis 34:115
- Trichoderma-Reesei 22:57

Electrofusion |Dextran-Supported-» 38:383

Electrofusion |Multiple-Pulse-Mediated-» 48:431

Electrogeneration
- Analog 41:205
- Anhydrous-Acetonitrile 17:339
- Chemiluminescence 41:205
- Cypridina 41:205
- Interaction 17:339
- Luciferin 41:205
- Nesosteine 17:339
- Superoxide-Ion 17:339, 41:205
- Trans-Sobrerol 17:339
- Wet-Acetonitrile 17:339

Electrogenesis 44:01

Electrogenic-Ion-Transport
- Action-Potential-Generation-Equation 10:87
- Bioelectric-Excitation 10:87, 10:109
- Current-Generation-Equation 10:109
- Quantitative-Theory 10:87, 10:109
- Voltage-Clamp 10:109

Electrogenic-Proton-Pump
- Activation 26:223
- Energy-Dependent 8:25
- Escherichia-Coli 8:25
- Hevea-Brasiliensis-Laticiferous 26:223
- Lactate-Secretion 8:25
- Plasma-Membrane 26:223
- Potassium-Accumulation 8:25
- Sucrose/H^+-Glucose/H^+-Symport 26:223

Electrogenic-Proton-Transport 45:181

Electrogenic-System 10:335

Electrohemolysis 34:31

Electrohydrodynamic-Admittance-Measurement 6:413

Electroincorporation 42:283

Electroinduction
- Interferon-Like 25:183
- Long-Lived 19:397
- Membrane-Potential 19:397
- Protein 25:183
- Yeast 19:397

Electrokinetic-Property
- Animal-Cell 6:543
- Bacteria 4:117
- Buffer 4:117
- Cell-Surface 6:543
- Distribution 6:543
- Electric-Potential 6:543
- Electrophoresis 6:543
- Halobacterium-Halobium 12:173
- Inorganic-Cation 4:117
- Organic-Cation 4:117
- Purple-Membrane-Particle 12:173
- Surface-Coat 6:543

Electrokinetic-Property-Change 10:261

Electrokinetics
- Absorbed 4:231
- Aqueous-Solution 4:231
- Bacterial-Suspension 37:149
- Interaction 4:231
- Lipid-Layer 4:231
- Organelle 32:165
- Plant-Cell 32:165
- Preparation 4:231
- Structure 4:231

Electroloaded-Cell 31:237

Electrolysis
- Controlled-Current 13:15
- Controlled-Potential 13:15, 14:275, 14:293, 15:353
- Dielectrics 15:353
- Electric-Field 15:353
- Immiscible-Electrolyte-Solution-Interface 7:61
- In-Vitro 13:15
- In-Vivo 13:15
- Membrane-Coated-Electrode 14:275, 14:293, 15:353
- Membrane-Transport 7:61
- Model 7:61
- Numerical-Analysis 14:293
- Theory 14:275
- Urea 13:15

Electrolysis |Indirect-» 1:87

Electrolyte
- Calculation 8:327, 8:339
- Cell-Suspension 6:03, 6:11
- Colloid-Disperse-System 6:03, 6:11
- Computer 40:261
- Diffusion 5:285
- Donnan-Potential 8:327, 8:339
- Experiment 8:347
- External-Transverse-Magnetic-Field-Effect 5:285
- Fish-Intestinal-Cell 40:261
- Ion-Movement 8:327, 8:339
- LiCl-H_2O-Solution 5:285
- Light-Induced-Donnan-Potential 8:327
- Light-Induced-Surface-Potential 8:339
- Mean-Activity-Coefficient 6:03, 6:11
- Measurement 6:03, 6:11
- Measuring-Principle 6:03
- pH 6:03, 6:11

- Sodium-Chloride–Human-Serum-Albumin-Solution 6:11
- Surface 8:327, 8:339
- Surface-Donnan-Potential 8:347
- Thylakoid-Membrane 8:327, 8:339, 8:347
- Transference-Number 6:03, 6:11
- Transport-Mechanism 40:261

Electrolyte-Composition 16:213

Electrolyte-Transport-Mechanism 44:169

Electromagnetic-Effect 28:355

Electromagnetic-Energy
- Deposition 30:27, 35:103
- Living-Tissue 30:27, 35:103
- Moment-Method 30:27, 35:103
- Numerical-Approach 35:103
- Overconstrained 30:27
- Prediction 35:103

Electromagnetic-Exposure 29:289

Electromagnetic-Field
- Amplitude 30:189
- Augmented-Transcription 25:383
- Bioeffect 35:01, 35:63, 47:135
- Bioelectrical-Parameter 37:39
- Biological-Effect 15:39, 32:203
- Biomedical-Effect 30:333
- Breast-Cancer 30:127
- Calculation 30:73
- Cancer 29:255
- Cation 38:161
- Cell 30:161, 46:301
- Cell-Line-MCF7 30:127
- Coherence-Time-Effect 46:301, 46:303
- Collision-Frequency 35:33
- Domain-Structure 48:311
- Dose-Response 48:193
- Early-Stage 35:13
- Endogenous-Force 35:33
- Enhancement 44:243
- Environmental 30:161, 47:135
- Even-Harmonic-Tuning 38:161
- Experiment 16:561, 25:383, 30:73, 35:13, 48:261
- Gap-Junction-Impedance 35:63
- Heat-Shock 31:27
- Helix-Pomatia 37:39
- High-Frequency-Electromagnetic-Field 37:39
- Human-Cortical-Neuronal-Activation 47:265
- Human-Lymphocyte 16:561
- Increase 46:301
- Information-Encoding 47:265
- Interaction 16:561, 35:33, 38:161
- Interferon-Gamma-Release 44:243
- Interleukin-6-Release 44:243
- Ion-Adsorption 35:33
- Ion-Cyclotron 38:161
- Lipid 48:311
- Living-Cell 48:261
- Magnetic-Field 37:39
- Measurement 48:261
- Mechanism 35:33
- Melatonin 47:135
- Microelectronic-Sensor 48:261
- Mitochondrial-Activity 30:127
- Mixed-Membrane 48:311
- Mononuclear-Cell 44:243
- Morphology 30:127
- Na-K-ATPase 40:63
- Nerve-Cell 37:39
- Neuroendocrine-Related-Promotion 29:255
- Odd-Harmonic-Tuning 38:161
- Ornithine-Decarboxylase 46:301, 46:303, 48:193
- Oscillation 48:311
- Osteonecrosis 30:229
- Peripheral-Blood 44:243
- Phytohemagglutinin 44:243
- Protein 31:27
- Quail-Embryo 30:189
- Raphanus-Sativus 44:131
- Resonance-Theory 38:161
- Risk-Assessment 35:01
- Sciara-Salivary-Gland-Cell 31:27
- Sensitivity 30:161
- Similarity 31:27
- Small-Animal 30:73
- Stimulation 40:63, 44:243
- Synthesis 31:27
- TEM-Cell 30:73
- Temporal-Aspect 47.265
- Theory 16:561, 29:255
- Therapeutic 30:161
- Thermal-Noise-Limit 35:63
- Threshold 40:63
- Tissue 30:161
- Tissue-Dielectrics 35:63
- Transient-Response 25:383
- Treatment 30:229
- Vineyard-Snail 37:39
- Weak-Low-Frequency-Pulsed-Electromagnetic-Field 37:39
- Wound-Healing 35:13

Electromagnetic-Field |50-Hz-»
- DNA 30:133
- Leukemia/Lymphoma 44:279
- Murine-Retrovirus 44:279
- Mutation 30:133
- Preintegrative-Step 44:279
- Replication 44:279

Electromagnetic-Field |60-Hz-» 44:111

Electromagnetic-Field |Alternating-Current-» 27:413

Electromagnetic-Field |External-» 41:63

Electromagnetic-Field |Extremely-High-Frequency-» 35:53

Electromagnetic-Field |Extremely-Low-Frequency-»
- Bacteria 40:21
- Barium-Oxalate 30:13
- Calcium-Transport 47:311
- Cell 25:335
- Cell-Proliferation-Change 36:109
- Co-Stressing-Factor 40:21
- Environmental 36:109
- Environmental-Exposure-Level 30:239
- Epidemiologic-Risk-Assessment 30:239
- Human-Erythrocyte 47:311
- Medium-Frequency-Electromagnetic-Field 47:311
- Neoplasm 30:253
- Nonionizing-Radiation 36:109
- Precipitation 30:13
- Transcription 25:335
- Translation 25:335

Electromagnetic-Field |High-Frequency-»
- Bioelectrical-Parameter 37:39, 37:47
- Electromagnetic-Field 37:39
- Helix-Pomatia 37:39, 37:47
- Magnetic-Field 37:39, 37:47
- Nerve-Cell 37:39, 37:47
- Vineyard-Snail 37:39, 37:47
- Weak-Low-Frequency-Pulsed-Electromagnetic-Field 37:39, 37:47

Electromagnetic-Field |Low-Frequency-»
- Cell 33:115
- Cell-Metabolism 31:01
- Chick-Embryo 43:91
- Chromosome 28:311, 31:39
- Cultured-Fibroblast 27:269
- Dopamine 42:235
- Drosophila-Melanogaster 28:311, 31:39
- Electroencephalogram 14:215
- Electrostimulation 31:01
- Human-Skin 27:269
- In-Vitro 27:269
- Increased-Level 33:115
- Low-Frequency-Electric-Field 31:01
- Lung 27:269
- Normal-Human 14:215
- Ornithine-Decarboxylase 43:91
- PC12-Cell 42:235
- Premature-Terminal-Differentiation 27:269
- Reduced-Level 42:235
- Salivary-Gland-Cell 28:311, 31:39
- Synchronization 14:215
- Transcript 33:115
- Transcription-Change 28:311, 31:39

Electromagnetic-Field |Medium-Frequency-» 47:311

Electromagnetic-Field |Modulated-150-MHz-» 37:17

Electromagnetic-Field |Modulated-High-Frequency-»
- Common-Brain-Stem-System 37:31
- Dynamics 37:31
- Electrostimulation 38:415
- Functional-Organization 37:31
- Macrophage 38:415
- NADPH 38:415
- Oxidase 38:415

Electromagnetic-Field |Low-Frequency-Weak-» 38:153

Electromagnetic-Field |Nonthermal-Extremely-Low-Frequency-» 27:321

Electromagnetic-Field |Pulsating-» 27:317

Electromagnetic-Field |Radiofrequency-» 37:01

Electromagnetic-Field |Weak-»
- Biochemical-Membrane 16:565
- Biophysical-Aspect 41:03
- Brain-Tissue 5:67
- Cell 27:255
- Cell-Biology 48:355
- Cellular-Level 41:03
- Coupling 5:67
- Digression 16:565
- Dynamics 41:03
- External-Signal 41:03
- Interaction 27:255, 41:03
- Internal-Oscillation 41:03
- Mechanism 5:67
- Modeling 41:03
- Reactivity 16:565

Electromagnetic-Field |Weak-Extremely-Low-Frequency-»
- Cell-Response 37:85
- Cooperativity 37:85
- Escherichia-Coli 34:05, 37:85
- Resonance-Effect 37:85
- Systemic-Reaction 34:05

Electromagnetic-Field |Weak-Nonthermic-High-Frequency-» 27:293

Electromagnetic-Field-Effect 30:85

Electromagnetic-Field-Parameter
- Biological-Tissue 35:115
- Comparison 35:115
- Numerical-Calculation 35:115
- Proliferation-Response 43:67
- Saccharomyces-Cerevisiae 43:67
- Yeast 43:67

Electromagnetic-Interaction 5:97

Electromagnetic-Inverse-Problem 30:55

Electromagnetic-Inverse-Scattering 35:109

Electromagnetic-Modulation 10:119

Electromagnetic-Noise 40:193

Electromagnetic-Pulse |Low-Frequency-» 25:437

Electromagnetic-Radiation 43:161

Electromagnetic-Radiation |835-MHz-» 43:13

Electromagnetic-Radiation |915-MHz-» 30:293

Electromagnetic-Receptor 42:227

Electromagnetic-Signal 12:259

Electromagnetic-Smog 17:441

Electromagnetic-Stimulation 21:307

Electromagnetic-Stress 33:109

Electromagnetic-Window-Effect 45:261

Electromagnetically-Induced-Current 32:89

Electromechanical-Coupling 30:103

Electromediated-Permeabilization 34:157

Electromegnetic-Field-Signal 48:27

Electromicrobial-Transformation 21:245

Electromotive-Force
• Batch-Culture 39:83
• Cell-Model 44:169
• Cellular-Pathway 44:169
• Cultured 44:169
• Electrolyte-Transport-Mechanism 44:169
• Human-Colonocyte 44:169
• Iron-Oxidizing-Bacterium 39:83
Electron-Acceptor 34:149
Electron-Acceptor |Artificial-» 46:185
Electron-Affinity
• Adenine 48:69
• Anion 46:15
• Base-Pair 46:15
• Classification 48:69
• Cytosine 48:69
• DNA 46:15
• Electron-Conduction 46:15
• Guanine 48:69
• Half-Wave 48:69
• Hydrogen-Bonded 46:15
• Ionization-Potential 46:15
• Model 46:15
• Organic-Molecule 48:69
• Pairwise-Pi-Stacking 46:15
• Reduction-Potential 48:69
• Thymine 48:69
• Uracil 48:69
Electron-Carrier 3:302
Electron-Conduction
• Anion 46:15
• Base-Pair 46:15
• Bilayer-Lipid-Membrane 13:299
• Cyclic-Voltammetry 13:299
• DNA 46:15
• Electron-Affinity 46:15
• Hydrogen-Bonded 46:15
• Ionization-Potential 46:15
• Model 46:15
• Modified-Bilayer-Lipid-Membrane 16:185
• Pairwise-Pi-Stacking 46:15
• Voltammetry 16:185
Electron-Donor 34:149
Electron-Driven
• Active-Transport 31:271, 40:239
• Activity 31:271, 40:239
• Cofactor-Shuttle 31:271
• Enzyme 40:239
• Enzyme-Reaction 31:271
• Evolution 31:271, 40:239
• G3P/DHAP-Shuttle 40:239
• Kinetics 31:271, 40:239
• Model 31:271, 40:239
• NAD 31:271
• NADH 31:271
• Proton-Driven 31:271, 40:239
• Redox-Potential-Gradient 31:271, 40:239
• Redox-Reaction 31:271, 40:239
Electron-Exchange
• DNA 5:347
• Flavin-Containing-Enzyme 11:61
• Heme-Containing-Enzyme 11:61
• Model 5:347
• NAD^+-NADP-Development 8:71
• Photo-Reduction 8:71
• Photodynamic-Damage 5:347
• Redox-Polymer-Modified-Electrode 11:61
• Redox-Process 5:347
• Strand-Breaking 5:347
Electron-Injection-Mechanism 14:405
Electron-Irradiation 48:441
Electron-Mediator-Containing 43:71
Electron-Microscopy 34:45
Electron-Paramagnetic-Resonance-Spectroscopy 2:93
Electron–Proton-Transport-Protein 38:35
Electron-Receptor 32:45
Electron-Source 3:573
Electron-Spin-Resonance |Electrochemical-» 7:153
Electron-Spin-Resonance-Spectroscopy 48:233
Electron-Transfer
• Active-Metabolite 28:443
• Antiulcer-Action 28:443
• Bilayer-Lipid-Membrane 21:213
• Biomolecule 19:413
• Bound-Enzyme 28:443
• Catalyzed 1:448
• Chlorophyll-Interface 4:68
• Copper 39:221
• Core 38:67
• Cytochrome 1:448, 3:113, 21:213, 29:71, 39:221
• Cytochrome-Peroxidase 21:213
• Enzyme 39:221
• FAD 19:413
• Ferredoxin-$NADP^+$-Reductase 38:179
• Ferrocene 48:243
• Flavoprotein 38:179
• Gold/Octadecanethiol/Lipid-Bimolecular-Lipid-Membrane-Electrode 48:243
• Heterogeneity 38:67
• Higher-Plant 38:67
• Horse-Heart 3:113
• Mechanism 1:448, 39:155
• Mediated 37:73
• Mediator 19:413
• Methyl-Viologen 37:73
• Model 28:443
• Modified-Gold-Electrode 29:71
• Nitric-Oxide 39:155
• Omeprazole 28:443
• pH 29:71
• Phosphorylation 38:67
• Photosystem-II 38:67
• Platinum 19:413
• Polyethylene-Oxide-Modified 37:73
• Pyridyl-Disulfide 29:71
• Redox-Couple 48:243
• Regulation 38:67
• Regulatory-Action 39:155
• Solution 48:243
• Structural-Effect 3:113
• Superoxide-Dismutase 37:73
• Two-Immiscible-Liquid 4:68
• Viologen-Derivative 38:179
Electron-Transfer |Calcium-Induced-» 44:285
Electron-Transfer |Direct-»
• Active-Center 33:191
• Adrenodoxin 47:75
• Alcaligenes-Eutrophus 28:473
• Biomembrane-Like 48:117
• Covalently-Immobilized-Mediator 25:425
• Dehydrogenase 25:425
• Development 42:01
• Dihydrolipoamide 25:425
• Dimyristoyl-Phosphatidylcholine 48:117
• Glassy-Carbon-Electrode 28:473
• Glucose-Oxidase 33:191
• Graphite-Electrode 33:191
• Hemoglobin 48:117
• Hydrogenase 28:473
• Mild-Immobilization 33:191
• Minizyme 42:01
• Modified-Glassy-Carbon-Electrode 25:425
• Modified-Gold-Electrode 47:75
• Mutant 47:75
• Oxidoreductase 25:425
• Protein 47:75
• Pyridine-Nucleotide 25:425
• Pyrolytic-Graphite-Electrode 48:117
• Reagentless-Amperometric-Biosensor 42:01
• Strategy 42:01
• Superoxide-Dismutase 48:227
• Viologen 25:425
Electron-Transfer |Distant-» 48:333
Electron-Transfer |Fast-» 48:101
Electron-Transfer |Heterogeneous-» 7:447
Electron-Transfer |Long-Distance-» 42:25
Electron-Transfer-Reaction
• Complex 21:289
• Dynamics 21:289
• Electronic-Fluctuation 21:289
• Laser-Flash-Absorption-Spectroscopy 28:205
• Membrane-Bound-Protein 21:289
• Metalloprotein 21:289
• Oxidizing-Site 28:205
• Photosystem-I 28:205
• Protein 21:289
• Reducing-Site 28:205
Electron-Transfer-Reaction |Direct-» 29:237
Electron-Transfer-Reaction |Mediated-» 42:59
Electron-Transferring-Protein 9:743
Electron-Transport
• ACI-Reductone 7:333
• Adsorbed 23:81
• Amniotic-Membrane 9:517
• Aqueous-Acid-Media 7:333
• Artificial-Bilayer-Membrane 9:517
• Biological-Process 7:333, 17:523, 23:81, 36:67
• Carbonyl-Compound 7:333
• Comparative-Study 9:517
• Cyclodextrin-Cavity 24:257
• Degradation 17:523
• Deoxyribonucleic-Acid 17:523
• Ferrocene 24:257
• Glucose-Oxidase-Electrode 24:257
• Human-Epithelium 9:517
• Hydroxyquinone-Derivative 17:523
• In-Vitro 9:517
• Millipore-Filter 9:517
• Phospholipidic-Matrix 36:67
• Pyrolitic-Graphite-Electrode 36:67
• Pyrolytic-Graphite-Electrode 23:81
• Reduction-Product 7:333
• Rhodizonic-Acid 7:333
• Ubiquinone 23:81
Electron-Transport-Chain 9:499
Electronic-Conduction 2:124
Electronic-Fluctuation 21:289
Electronic-Phenomena 3:545
Electronic-Process 42:161
Electronic-Property 12:147
Electronic-Structure-Index 6:263
Electrooptics 20:241
Electrooxidation
• Acid 11:279
• Antiinflammatory 24:155
• Araboascorbic-Acid 11:279
• Bilirubin 26:345
• Biliverdin 26:345
• Buffered-Media 10:239
• Carbon-Paste-Electrode 24:155
• Dihydroxytryptamine 39:249
• Drug 24:155
• Glucose 10:239
• Gold-Electrode 11:279
• Mouse 39:249
• NADH 24:347
• NADH-Dehydrogenase 24:347
• Neurotoxin 39:249
• Neutral-Media 11:279
• Oxidation-Product 39:249
• Piroxicam 24:155
• Platinum-Electrode 10:239
• Purified-Bacillus-Stearothermophilus 24:347
• Spectroelectrochemistry 26:345
• Tenoxicam 24:155
Electrooxidation |H2-» 12:267
Electropermeability 48:485
Electropermeabilization
• Anaesthetic-Agent 47:89
• Cell-Membrane 38:129
• Chemotherapy 36:83
• Combination 36:83
• Dynamic-Gamma-Camera 46:241
• Electric-Energy 31:77
• Electrofusion 24:101, 46:263, 47:89
• Ethidium-Bromide 47:113
• Exponential-High-Voltage-Pulse 46:241
• Fluorescence-Change 47:113
• Glioma-Bearing-Rat 46:241
• Growth-Phase 38:149
• Human-Cell-Grown-Monolayer 23:65
• Human-Lymphoma-Cell 46:263
• Implication 24:101
• In-111-Bleomycin-Complex 46:241
• In-Vivo 46:241
• Incorporation 23:65
• Interaction 47:113

- Ion-Concentration-Dependence 38:149
- Long-Lived-Alteration 38:129
- Mammalian-Cell 47:113
- Membrane 47:113
- Membrane-Interface 24:101
- Millisecond-Imaging 47:113
- Modified-Human-Cell 47:89
- Monoclonal-Antibody 23:65
- Mouse-Melanoma 36:83
- Normal 46:241
- Peripheral-Blood 38:129
- Phagocyte 38:129
- Proteolytic-Enzyme 46:263
- Structural-Force 24:101
- Treatment 36:83
- Viability 38:129
- Yeast-Cell 31:77, 38:149

Electropermeation 46:293

Electrophilic-Substituent 3:519

Electrophoresis
- Animal-Cell 6:543
- Cell-Surface 6:543, 7:31
- Distribution 6:543
- Electric-Potential 6:543
- Electrokinetic-Property 6:543
- Experiment 7:31
- Organelle 25:225
- Plant-Cell 25:225
- Surface-Coat 6:543
- Theory 7:31

Electrophoretic-Adsorption 5:247

Electrophoretic-Mobility
- ATP-Content 35:53
- Cell-Growth 38:169
- Electric-Parameter 17:35
- Erythrocyte 17:35
- Extremely-High-Frequency-Electromagnetic-Field 35:53
- Nitrogen-Source 38:169, 46:55
- Power-of-Energization 12:253
- Rat-Erythrocyte 35:53
- Rat-Liver-Mitochondrium 12:253
- Salt-Effect 38:169
- Saponin 17:35
- Synechococcus-Plasmalemma-Vesicle 38:169, 46:55
- Variation 46:55

Electrophotoluminescence 13:191

Electrophysiology
- Catharanthus-Roseus 25:213
- Control-Mechanism 38:251
- Development 16:509
- Electrochemical-Technique 38:251
- Energetics 25:213
- Enterocyte 16:509
- Ion-Transport 15:383
- Isolated-Human-Amnion 15:383
- Neuroendocrine-Cell 38:251
- OH^-/H^+-Dependent-Nitrate-Uptake 25:213
- Secretion 38:251
- Temperature-Effect 15:383

Electroporation
- Aluminum-Electrode 39:39
- Animal-Cell 17:253
- Anomalous-Heating 39:39
- Artificial-Planar-Bilayer-Membrane 25:163
- Bilayer-Lipid-Membrane 45:215
- Biological-Macromolecule 48:249
- Biotechnological-Advance 43:165
- Cell-Membrane 24:271, 26:01
- Cell-Proliferation 25:325
- Chemically-Treated 34:129
- Clotting 24:313
- Correlation 20:155
- Cosmetic-Application 48:453
- Cosmid 21:355
- CV1-Cell 26:339
- DNA 21:355, 24:313
- DNA-Synthesis 25:325
- Donor 24:313
- Drug-Delivery 42:283, 48:03
- EDTA 34:189
- Electric-Breakdown 25:163
- Electric-Field 39:39
- Electric-Field-Induced-Pore 11:479
- Electric-Pulse-Induced-Precipitation 48:249
- Electrofusion 20:155, 44:227
- Electroincorporation 42:283
- Electron-Irradiation 48:441
- Electrotransfection 17:253
- Erythrocyte 34:189
- Erythrocyte-Membrane 48:441
- Excised-Membrane-Patch 31:259
- Experiment 39:39
- Exponential-Pulse 39:39
- Fluorescent-Molecule 39:01
- Gene-Delivery 42:283, 48:03
- Gene-Expression 47:03
- Gene-Transfer 17:253
- Grapevine 43:165
- Human-Cell-Grown-Monolayer 25:325, 28:269
- Human-Erythrocyte 34:129
- Human-Monocytic-Cell-Line 41:227
- Human-Skin 39:01
- In-Vivo 42:283
- Inactivation 48:441
- Interleukin-10 41:227, 47:03
- Isotonic-Solution 34:189
- Kinetics 26:01
- Large-Molecule 42:283
- Macromolecular-Uptake 20:57
- Mammalian-Cell 21:355
- Mechanical-Rupture 25:163
- Membrane 11:479
- Metoprolol 38:223
- Modification 34:189
- Neuroblasioma-Cell 31:259
- Nucleic-Acid-Modified 44:227
- Passive-Electrical-Property 39:01
- Physical-Parameter 20:155
- Plasmid 21:355, 26:339
- Polyprenol-Phosphatidylcholine 45:215
- Population-Distribution 20:57
- Pore 26:01
- Pore-Resealing 48:441
- Pressure-Mediated 42:283
- Primary-Cell 28:269
- Prokaryote 24:313
- Protoplast 20:155
- Pulse-Parameter 37:101
- Quantitative 25:163
- Quantitative-Dependence 37:101
- Red-Blood-Cell 20:57
- Resealing 26:01
- Reversible 25:163
- Rotating-Electric-Field 29:81
- Sensitizer-Uptake 47:175
- Shape-Change 20:57
- Simultaneous-Measurement 39:01
- Single-Pore 31:259
- Square-Wave-Pulse 20:57
- Stable-Transfer 26:339
- Stimulation 41:227
- Stochastic-Model 11:479
- Strain-Improvement 17:253
- Sugar-Beet-Cell 43:165
- Theory 25:163, 41:135
- Thermally-Treated 34:129
- Topical-Delivery 48:453
- Transdermal-Delivery 38:223, 42:283
- Transformed-Cell 28:269
- Transport-Change 39:01
- Unified 25:163
- Vitamin-C 48:453
- Yeast-Cell 47:175

Electroporation |Cell-»
- Asymmetric-Distribution 32:249
- Evolution 32:249
- Experiment 32:237
- Human-Erythrocyte 32:237
- Kinetics 32:237
- Pore 32:237, 32:249
- Pore-Formation 32:221
- Theoretical-Simulation 32:221
- Theory 32:249

Electroporation |Multiple-Pulse-» 28:235

Electroporation |Phagocyte-Induced-» 22:37

Electropotential 5:152

Electropulsation
- Acinar-Cell 26:97, 38:377
- Blebbing 26:97
- Cellular-Energy 38:377
- Direct-Monitoring 47:119
- Field-Strength 47:119
- Isolated-Rat-Pancreas 26:97
- Membrane-Perforation 26:97, 38:377
- Rat-Pancreas 38:377
- Reversible 26:97, 38:377

Electroreduction
- Biologically-Important 3:41
- Correlation 6:263
- Electronic-Structure-Index 6:263
- Mechanism 6:243, 6:263
- Methanol 13:07
- Molybdenum(V) 13:07
- Phosphatidylcholine 13:07
- Photoadduct 3:41
- Polarography 6:243
- Pyrimidine 3:41
- Thiopyrimidine-Derivative 6:243, 6:263

Electroretinogram 8:269

Electrorotation
- Accuracy 36:115
- Aggregated-Particle 31:115
- Alternating-Current-Field-Induced-Potassium-Chloride-Leakage 22:255
- Anion-Exchange 23:337
- Arbitrary-Number 31:131
- Barley-Mesophyll-Protoplast 31:85
- Comparison 23:337
- Dielectric-Behavior 23:337
- Dielectric-Parameter 36:115
- Dumbbell-Shaped-Particle 26:383
- Ellipsoidal-Cell 31:131
- Experiment 26:383
- Experimental-Condition 36:115
- Human-Erythrocyte 22:255, 23:337
- Implication 22:255
- Isolated-Barley-Mesophyll-Cell 29:327
- Low-Ionic-Strength 22:255
- Multilamellar-Liposome 21:279
- Nonspherical-Cell 31:131
- Numerical-Analysis 36:115
- Oligolamellar-Liposome 21:279
- Protein 23:337
- Shell 31:131
- Simple-Cell 19:389
- Square-Topped-Field 19:389
- Theory 23:337, 26:383, 31:115, 31:131
- Vacuole 29:327

Electrosorption
- Alternating-Current-Polarography 7:459
- Calcium-Ion 10:279
- Cation 7:459
- Charge-Transfer 7:459
- Homologous 7:459
- Inhibition 10:279
- Lecithin 7:459
- Lecithin-Monolayer 10:279
- Model-Membrane 7:459

Electrostatic-Influence 12:177

Electrostatic-Interaction
- Experimental-Titration-Curve 29:135
- Hydrolytic-Activity 36:53
- Phospholipase 36:53
- Polarized-Oil/Water-Interface 36:53
- Protein 29:135
- Simulated-Titration-Curve 29:135

Electrostatic-Model 47:19

Electrostatic-Problem 13:55

Electrostatic-Property 7:41

Electrostimulation
- Alternating-Current 28:341
- Cell-Fusion 12:119
- Cell-Metabolism 31:01
- Cellulase 32:89
- Dehydrogenase-System 28:341
- Denitrifying-Bacterium 44:275
- Division 29:59
- Electromagnetically-Induced-Current 32:89
- Experiment 29:59
- Fermentation 20:279, 32:89
- Low-Frequency-Electric-Field 31:01
- Low-Frequency-Electromagnetic-Field 31:01
- Macrophage 38:415
- Modulated-High-Frequency-Electromagnetic-Field 38:415
- NADPH 38:415
- Oxidase 38:415
- Plant-Protoplast 29:59
- Proliferation 38:423, 44:275
- Pseudomonas-Stutzeri 44:275

- Pulsatile 32:89
- Transformation 12:119
- Yeast 28:341, 38:423

Electrostriction
- Bilayer-Lipid-Membrane 46:01
- Biotin-Streptavidin 39:235
- Capacitance 46:01
- Direct-Current-Voltage 31:99
- Hydrocarbon 31:99
- Lipid-Bilayer 31:99
- Metal-Support 39:235
- Modified-Bilayer-Lipid-Membrane 39:235
- Relaxation 46:01
- Solid-Support 31:99
- Solvent 31:99
- Surface-Potential 46:01
- Tetracaine 46:01

Electrosynthesis 20:21

Electrotransfection
- Aluminum-Electrode 47:103
- Animal-Cell 17:253
- Electroporation 17:253
- Gene-Transfer 17:253
- High-Efficiency 47:103
- Microsecond-Controlled-Pulse 47:103
- Strain-Improvement 17:253

Electrotransformation
- Bacteria 40:233
- DNA-Concentration 40:233
- DNA-Size 47:319
- Escherichia-Coli 25:259, 47:319
- Eukaryotic-Cell 44:103
- Model 40:233
- Pathway 44:103
- Plasmid 25:259, 40:233, 47:319
- Prokaryotic-Cell 44:103
- Protoplast 25:259
- Quantitative-Relationship 40:233
- Saccharomyces-Cerevisiae 25:259
- Statistical-Evaluation 40:233

Elimination-Rate 30:319

Ellipsoidal-Cell 31:131

Elongated-Cell 27:413

Embedding 29:149

Embryonal-Chick-Tibia 10:119

Embryonic-Chick-Tibia-Explant 8:515

Embryonic-Sensory-Ganglia 5:459

Emulsion 26:139

Enantiomeric-Resolution 20:109

Enclosure 14:23

End-Plate-Current 17:153

Endiol-Form 25:121

Endocytotic-Like-Process 42:275

Endogenous-Alternating-Current-Field
- DNA-Chain 48:325
- Interaction 41:53
- Living-Cell 41:53
- Microtubule 41:53
- Nonlinear-Dynamics 48:325

Endogenous-Force 35:33

Endogenous-Potential 30:221

Endomedullary-Nail-Fixation 14:151

Endoplasmic-Reticulum 46:79

Endoprosthesis 14:161

Endothelial-Cell 19:207

Endothelial-Vein-Cell |Human-Umbilical-» 32:125

Endotoxin 18:301

Endotoxin-Shock 18:295

Energetic-Change 5:315

Energetic-Structure 3:33

Energetics
- ATP-Production 9:299
- ATP-Synthesis 24:335
- Biological-Effect 12:259
- Catharanthus-Roseus 25:213
- Cell-Membrane 15:447
- Chemical-Coupling 9:299
- Comparison 9:299
- Cytochrome 1:389
- Cytochrome-Oxidase 1:389
- Dynamics 3:37
- Electrochemical-Data 9:299
- Electrochemical-Information 3:37
- Electromagnetic-Signal 12:259
- Electrophysiology 25:213
- Enzyme-System 15:447
- Heme-Protein 1:389
- Heterocyclic-Compound 3:37
- Incorporation 37:161
- Intracellular 15:447
- Ionophore-Exchange 37:161
- Kinetics 1:389, 12:259
- Mechanism 3:37
- Nitrogen 3:37
- OH^-/H^+-Dependent-Nitrate-Uptake 25:213
- Oxygen-Reduction 9:299
- Sequence 15:447
- Spectroelectrochemical 1:389
- Stoichiometry 1:389
- Transduction 12:259
- Transductive-Coupling 15:447

Energy 15:457

Energy-Absorption 47:221

Energy-Balance 13:401

Energy-Coupling-Membrane 16:45

Energy-Dependent
- Activity 39:161
- Aerobically-Grown-Cell 15:417
- Anaerobically-Grown-Cell 15:417, 27:367, 39:13
- ATP-Synthesis 9:459
- Biomembrane 13:143
- Characteristics 39:13
- Comparison 8:613, 39:13
- Complex 27:367
- Dicyclohexylcarbodiimide 5:567
- Electrogenic-Proton-Pump 8:25
- Escherichia-Coli 5:554, 5:561, 5:567, 6:315, 8:25, 8:597, 8:605, 8:613, 9:459, 11:29, 15:417, 19:353, 27:367, 39:13, 39:161
- Glycolysis 39:13, 39:161
- Hydrogen-Potassium-Exchange 5:567, 8:597, 8:605, 9:459, 11:29, 17:183
- Hydrogen-Potassium-Pump 6:315
- H^+-ATPase 19:353, 27:367
- Identification 8:597
- Interaction 27:367
- Ion-Exchange 8:17
- Lactate-Secretion 8:25
- Mechanism 9:459
- Membrane-Potential 8:613
- Microchemiosmotic-Interpretation 13:143
- Nitrate/Nitrite-Respiration 39:13
- Osmosensitivity 5:554
- Periplasmic-Protein 6:315
- Photosynthesis 13:143
- Potassium-Accumulation 5:554, 5:561, 5:567, 6:315, 8:25, 8:597, 8:605, 8:613, 9:459, 11:29, 15:417, 19:353, 27:367, 39:13, 39:161
- Potassium-Dependent-ATPase 19:353
- Potassium-Ionophore 19:353
- Potassium-Uptake 5:554, 5:561, 17:183, 39:13, 39:161
- Regulation 6:315
- Respiratory-Chain 39:13
- Reversal 9:459
- Salmonella-Typhimurium 17:183
- Sensitive 5:567
- Stoichiometry 5:567, 8:17
- Streptococcus-Faecalis 8:17
- Structural-Association 19:353
- Structure 8:605
- Thylakoid 13:143
- Transport-System 11:29
- Trk-Mutant 39:161
- Trk-Protein 27:367
- Trk-System 15:417
- Unc-Mutant 11:29

Energy-Distribution 37:69

Energy-Relationship 1:03

Energy-Transduction
- Bioelectrochemical-System 11:193
- Biomembrane 16:273
- Coulombic-Hypothesis 21:193
- Electrochemical-Parameter 14:449
- Insect-Neuron 14:449
- Interfacial-Charge 16:273
- Lipoprotein 14:449
- Mechanism 5:296, 16:273
- Mitochondrium 21:193
- Naphthoquinone 14:449
- Oxidative-Phosphorylation 5:296
- Proton-Displacement 16:273
- Receptor 14:449
- Redox-System 5:296
- Repellent 14:449
- Significance 16:273

Energy-Transfer
- Biological-System 41:43
- Charge-Transfer 41:43
- Cryodamage 27:41
- Freeze-Fracture 27:41
- Micellar-Complex 15:95
- Ram-Sperm-Plasma-Membrane 27:41
- Self-Trapping-Mechanism 41:43

Energy-Transfer |Intermolecular-» 27:141

Enhancement
- 60-Hz-Magnetic-Field 34:39, 36:33, 45:253
- Anchorage-Independent 34:39
- Anticancer 47:259
- Bioluminescence 43:197
- Block 36:33
- Brain 47:259
- C-myc-Transcript-Level 36:33
- Calcium-Uptake 25:437
- Cell-Growth 34:39
- Chick-Small-Intestine 25:437
- Chronic-Wound-Healing 43:265, 43:271
- Clinical-Study 43:265
- Collagen-Production 14:83
- Connective-Tissue 14:83
- Culture 14:83
- Cytochrome-Oxidase 45:253
- Distribution 43:265
- Drug-Delivery 47:259
- Electric-Field 43:265
- Electric-Field-Effect 43:197
- Electric-Noise 36:33
- Electric-Stimulation 43:265, 43:271
- Electrofusion 43:197
- Electromagnetic-Field 44:243
- Escherichia-Coli 48:383
- High-Magnetic-Field 48:383
- Human-Leukemia-Cell 36:33
- In-Vitro 25:437
- Intensity 43:197
- Interferon-Gamma-Release 44:243
- Interleukin-6-Release 44:243
- Lampito-Mauritii 43:197
- Low-Frequency-Electromagnetic-Pulse 25:437
- Low-Frequency-Pulsed-Magnetic-Field 14:83
- Magnetic-Noise 36:33
- Microwave-Induced-Hyperthermia 47:259
- Mononuclear-Cell 44:243
- Numerical-Modeling 43:271
- Numerical-Wound-Model 43:265
- Parameter-Determination 43:271
- Peripheral-Blood 44:243
- Phytohemagglutinin 44:243
- Stationary-Phase-Specific 48:383
- Steady-State 36:33
- Stimulation 44:243
- Transcription-Activity 48:383

Enolase 27:179

Enolase-Activity-Change 39:259

Enterobacter-Aerogene 21:25

Enterocyte 16:509

Entropy-Production 8:201

Environment 9:365

Environmental
- Bioeffect 47:135
- Cell 30:161
- Cell-Proliferation-Change 36:109, 44:251
- Electromagnetic-Field 30:161, 47:135
- Extremely-Low-Frequency-Electromagnetic-Field 36:109
- Melatonin 47:135
- Microwave-Radiation 44:251
- Nonionizing-Radiation 36:109, 44:251
- Sensitivity 30:161
- Therapeutic 30:161
- Tissue 30:161

Environmental-Exposure-Level 30:239

Environmental-Factor 27:57

Environmental-Stress 37:141

Enzymatic
• Antileukemic-Agent 39:241
• Chloro-Deoxyadenosine 39:241
• Comparison 44:201
• Dimethyl-Uric-Acid 7:433
• Dimethyluric-Acid 44:201
• Electrochemical-Oxidation 7:433, 43:105, 44:201
• Guanosine 43:105
• Hydroxyguanosine 43:105
• Mouse 43:105
• Oxidation-Product 43:105
Enzymatic-Behavior 1:244
Enzymatic-Cleavage 48:477
Enzymatic-Reaction 41:221
Enzymatic-Redox-Reaction 13:233
Enzyme
• Acceleration 6:587
• Active-Transport 40:239
• Activity 40:239
• Adsorbed 38:401
• Amperometric-Biosensor 34:123
• Amperometry 11:307
• Biophysical-Mechanism 41:221
• Calcium-Dependence 35:57
• Carbon-Paste 34:123
• Carbon-Paste-Electrode 28:117
• Catalyzed-Hydrolysis 24:231
• Cellular-Energy 21:319
• Characterization 21:99, 28:117
• Cholesterol 11:307
• Collagen-Membrane 16:149
• Conversion 21:99
• Copper 39:221
• Cytochrome 34:123, 39:221
• Electric-Field-Induced-Oscillation 21:319
• Electrochemical-Property 2:43, 38:401
• Electrochemical-Reaction 6:587
• Electroconformational-Coupling 21:319
• Electrode 11:307
• Electron-Driven 40:239
• Electron-Transfer 39:221
• Enzymatic-Reaction 41:221
• Evolution 40:239
• Experiment 21:99
• Fragile 28:117
• G3P/DHAP-Shuttle 40:239
• Horseradish-Peroxidase 38:401
• Immobilization 16:149, 41:221
• Immobilized 28:117
• Ionic-Strength 20:291
• Kinetics 40:239
• Lipid 34:123
• Lipid-Bilayer 41:221
• Macromolecule 2:43
• Metal-Support 41:221
• Microemulsion 20:291
• Model 40:239
• Modulation 35:57
• Monoclonal-Antibody 38:401
• Myosin 35:57
• Packed-Bed 21:99
• Peptide 24:231
• Peptidyl-Nitroanilide 24:231
• Phosphorylation 35:57
• Polyvinylalcohol 16:149
• Preparation 28:117, 35:57
• Proton-Driven 40:239
• Reactor 21:99
• Redox-Potential-Gradient 40:239
• Redox-Reaction 40:239
• Sequence 11:307
• Signal-Transduction 21:319
• Solid-Graphite 38:401
• Solubilization 20:291
• Static-Magnetic-Field 35:57
• Substrate 24:231
• Synthesis 24:231
• Water-in-Oil 20:291
• Water-Solution 2:43
Enzyme |Immobilized-» 25:131
Enzyme-Activity
• Autoxidation 45:41
• Compartmental-System 17:205
• Direct-Electric-Field 17:205
• Mechanism 45:41
• Pyrogallol 45:41
• Regulation 17:205
• Superoxide-Dismutase 45:41
Enzyme-Electrode
• Alpha-Amylase-Assay 24:365
• Amperometric-Biosensor 42:95
• Bioelectrocatalyzed-Reduction 29:29
• Cyclic-Voltammetry 27:153
• Electric-Contact 42:95
• Glucose-Oxidase 27:153, 34:195
• Glutamic-Acid 2:142
• Human-Serum 24:365
• Mediated-Amperometry 24:365
• Nitrate 29:29
• Oligosaccharide-Dehydrogenase 24:365
• Polythiophene-Bipyridinium 29:29
• Potentiometry 34:195
• Redox-Electrode 42:95
Enzyme-Electrode |Modified-» 26:287
Enzyme-Modified 12:297
Enzyme-Reaction 31:271
Enzyme-Reaction |Immobilized-» 26:167
Enzyme-Reactor 13:199
Enzyme-Sensitive-Electrode 21:373
Enzyme-Sensor
• Butyrylcholine 26:237
• Creatinine 23:195
• Organophosphorus-Inhibitor 26:237
• Urea 23:195
Enzyme-System
• Active-Transport 12:73
• Alternating-Current 10:133
• Artificial 12:73
• Cell-Membrane 15:447
• Energetics 15:447
• Induction 12:73
• Intracellular 15:447
• Memory 10:133
• Monitoring 10:133
• Monostable-System 10:133
• Multistable-System 10:133
• Sequence 15:447
• Specific-Electric-Signal 12:73
• Transductive-Coupling 15:447
Enzymic-Heme 1:67
Enzymic-Oxidation 8:413
Epidemiologic-Risk-Assessment 30:239
Epidermal-Keratinocyte |Human-» 18:263
Epidermis 30:65
Epidermis-Cuticle 5:776
Epigenetic-Control 11:383
Epithelial-Cell
• Cultured 17:141
• Electric-Potential 1:208
• Guinea-Pig-Gallbladder 36:23
• Human-Amnion 24:361
• Intracellular 1:208
• Large-Conductance 36:23
• Membrane 24:361
• Microelectrode 17:141
• Potassium-Channel 36:23
• Rabbit-Gallbladder 1:208
• Regulation 36:23
• Sodium-Hydrogen-Antiport 24:361
• Sodium-Potassium-Chloride-Cotransport 24:361
Epithelial-Ion-Transport
• Calculation 4:287
• Circuit-Analysis 4:275, 4:287
• Concentration-Dependent 4:287
• Conductance 4:287
• Network-Equation 4:275
• Voltage-Dependent 4:287
Epithelium
• Culture 36:77
• Frog 3:365
• Gallbladder 36:77
• Guinea-Pig 36:77
• Isolated-Cell 36:77
• Large-Conductance 36:77
• Localization 36:77
• Mechanism 3:365, 13:229
• Potassium-Channel 36:77
• Primary-Cell 36:77
• Skin 3:365
• Sodium-Uptake 3:365
• Water-Transport 13:229
Epithelium |Human-» 9:517
Equilibrium
• ATP 2:321
• Binding 2:321
• Cationic-Ionophore 17:231
• Coupled-Transport 23:01
• Electrochemical-Membrane 23:01
• Human-Erythrocyte 17:231
• Isotonic-Unbuffered-Media 17:231
• Membrane-Potential 17:231, 23:01
• Nickel 2:321
• Polarographic-Determination 2:321
• Potassium-Chloride 17:231
• Rate-Constant 2:321
• Sodium-Chloride 17:231
• Sucrose 17:231
• Suspension 17:231
• Triton 17:231
Equilibrium-Constant |Apparent-» 9:219
Equivalent-Circuit 40:147
Equivalent-Circuit-Diagram 3:272
Ergodicity 4:73
Erwinia-Dissolvens 17:217
Erythrocyte
• Absolute-Method 9:207
• Adhesiveness 9:207
• Aggregation 36:161
• Characterization 9:207
• EDTA 34:189
• Electric-Breakdown 16:455
• Electric-Parameter 17:35
• Electrophoretic-Mobility 17:35
• Electroporation 34:189
• Experiment 16:455
• Flow 30:181
• Hemoglobin 7:291
• Impedance 36:161
• Inhomogeneous-Magnetic-Field 30:181
• Ionic-Composition-Change 16:455
• Isotonic-Solution 34:189
• Modification 34:189
• Oxygen-Carrier 7:291
• Paramagnetic-Attraction 30:181
• Perfluorocarbon-Emulsion 7:291
• Piezoelectric-Crystal-Sensor 36:161
• Polarography 7:291
• Rheology 36:101
• Saponin 17:35
• Sedimentation 36:161
• Simulation 16:455
• Static-Magnetic-Field 36:101
• Tissue-Culture-Cell 9:207
• Volume-Change 16:455
Erythrocyte |Bovine-» 27:229
Erythrocyte |Frog-» 5:177
Erythrocyte |Human-»
• Alternating-Current-Field-Induced-Potassium-Chloride-Leakage 22:255
• Anion-Equilibration 15:67
• Anion-Exchange 23:337
• Calcium-Transport 47:311
• Cationic-Ionophore 17:231
• Cell-Electrophoresis 7:41
• Cell-Electroporation 32:237
• Chemically-Modified-Monensin 33:83
• Chemically-Treated 34:129
• Chloride-Ion 15:67
• Comparison 23:337
• Detergent 15:07
• Dielectric-Behavior 23:337
• Electromechanical-Coupling 30:103
• Electrophoretic-Adsorption 5:247
• Electroporation 34:129
• Electrorotation 22:255, 23:337
• Electrostatic-Property 7:41
• Equilibrium 17:231
• Experiment 32:237
• Extremely-Low-Frequency-Electromagnetic-Field 47:311
• H^+-Potentiometry 33:83
• Implication 22:255
• In-Vitro 5:247, 23:129
• Isotonic-Unbuffered-Media 17:231
• Kinetic-Model 23:129
• Kinetics 15:67, 32:237
• K^+-Atomic-Absorption 33:83
• Low-Concentration 15:67
• Low-Ionic-Strength 22:255
• Mechanism 30:103

- Medium-Frequency-Electromagnetic-Field 47:311
- Membrane 30:103
- Membrane-Near-Space 1:343
- Membrane-Potential 15:07, 17:231
- Membrane/Electrolyte-Solution-Interface 23:129
- Modification 15:07
- Na-K-Carrier 33:83
- Neuraminidase-Treatment 7:41
- Phosphate-Containing-Media 15:67
- Polyoxyethylene 15:07
- Pore 32:237
- Potassium-Chloride 17:231
- Protein 23:337
- Quaternary-Ammonium-Cation-Transport 23:129
- Shape-Transformation 27:429, 30:103
- Sodium-Chloride 17:231
- Sodium-Concentration 45:127
- Stationary-Ionic-State 13:71
- Structural-Property 7:41
- Sucrose 17:231
- Surface 7:41
- Suspension 17:231
- Temperature-Dependence 27:429
- Tetramethylammonium-Cation 5:247
- Theory 23:337
- Thermally-Treated 34:129
- Transmembrane-Potential 30:103
- Transmembrane-Potential-Dependence 27:429
- Triton 17:231
- Triton-X-100 15:07
- Univalent-Ion 1:343
- Weak-Alternating-Electric-Field 45:127
- ^{23}Na-Nuclear-Magnetic-Resonance 33:83

Erythrocyte |Intact-» 48:431

Erythrocyte-Membrane
- Electric-Field 7:281
- Electric-Parameter-Change 31:193
- Electric-Potential-Profile 32:305
- Electrochemical-Impedance 10:229
- Electron-Irradiation 48:441
- Electroporation 48:441
- Functional-Role 7:281
- He-Ne-Laser 38:427
- Hemolysis 31:193
- Hypotonic-Hemolysis 11:353
- Inactivation 48:441
- Inner-Surface-Potential 43:97
- Interaction 38:427, 40:171
- Ionic-Strength 32:305
- Lectin-Binding 35:49
- Low-Level-2.45-GHz-Radiation 40:171
- Mechanical-Property 10:229
- Membrane 32:305
- Null-Point 11:353
- Outer-Surface-Charge 32:305
- Photooxidized 31:193
- Pore-Resealing 48:441
- Potassium-Concentration 11:353
- Potential 11:353
- Pre-Irradiated 31:193
- Psoralen 31:193
- Radiation 38:427
- Simple-Model 32:305
- Static-Magnetic-Field 35:49
- Time-Course 40:171
- Valinomycin 11:353

Erythrocyte-Membrane |Human-»
- Anthracyclinic-Antibiotics 34:45
- Antitumor-Antibiotics 17:81
- Daunomycin 17:81
- Detergent 12:367
- Electric-Conductivity 34:45
- Electric-Investigation 17:81
- Electron-Microscopy 34:45
- Ionophore 12:367
- Passive 17:81
- Radiowave 34:45
- Tetramethylammonium-Cation 12:367
- Transport-Kinetics 12:367
- Triton 12:367
- Violamycin-B-I 17:81

Erythrocyte-Suspension 41:97

Erythrocyte-Suspension |Human-» 17:223

Escherichia-Coli
- Activity 39:161
- Addition 46:249
- Aerobically-Grown-Cell 15:417
- Anaerobic-Growing 43:129
- Anaerobically-Grown-Cell 15:417, 27:367, 39:13
- Antibacterial-Effect 22:331
- Antibiotics 22:331
- ATP-Synthesis 9:459
- Bacterial-Activity 9:699
- Bactericidal-Effect 21:47
- Bacteriophage 19:235
- Beta-Lactam 22:331
- Calcium-Ion 46:249
- Catalytic-Mechanism 38:397
- Cavity-Resonator 37:17
- Cell-Free 43:07
- Cell-Potential-Change 9:325
- Cell-Response 37:85
- Characteristics 39:13
- Circularly-Polarized-Millimeter-Wave 31:49
- Combined-Effect 31:49
- Comparison 8:613, 39:13
- Complex 27:367
- Computer-Simulation 9:679
- Conformational-State 27:405
- Cooperativity 37:85
- Culture 9:679, 9:699
- Culture-Growth 31:49
- Cytoplasmic-Membrane 19:235
- Depolarization 19:235
- Dicyclohexylcarbodiimide 5:567
- Different-Phase 31:49
- Discrete-Transition 27:405
- DNA-Size 47:319
- Drug 9:699
- Electrochemical-Bioassay-System 34:177, 37:141
- Electrochemical-Classification 22:331
- Electrochemical-Measurement 46:249
- Electrode 6:477, 9:325
- Electrodialysis-System 21:47
- Electrogenic-Proton-Pump 8:25
- Electrotransformation 25:259, 47:319
- Energy-Dependent 5:554, 5:561, 5:567, 6:315, 8:25, 8:597, 8:605, 8:613, 9:459, 11:29, 15:417, 19:353, 27:367, 39:13, 39:161
- Enhancement 48:383
- Environmental-Stress 37:141
- Ethylenediaminetetraacetic-Acid 46:249
- Evolution-Time 9:679, 9:699
- Existence 27:405
- Extracellular-Status 32:287
- Ferricyanide 32:267
- Genome 27:405
- Glucose-Dehydrogenase 46:249
- Glutathione 32:287
- Glycolysis 39:13, 39:161
- Gold-Electrode 9:679, 9:699
- HeLa-Extract 43:07
- Helicity 27:405
- High-Magnetic-Field 48:383
- Hydrogen-Potassium-Exchange 5:567, 8:597, 8:605, 9:459, 11:29
- Hydrogen–Potassium-Exchange 43:129
- Hydrogen-Potassium-Pump 6:315
- H^+-ATPase 19:353, 27:367
- Identification 8:597
- Immobilized 37:77
- Induction 19:235
- Interaction 27:367
- Ion-Permeable-Channel 19:235
- Iron-Containing 38:397
- Lactate-Secretion 8:25
- Lipoic-Acid 9:679, 9:699
- Low-Level-Millimeter-Radiation 27:405
- Low-Molecular-Weight 32:267
- Magnesium-Ion 46:249
- Magnetic-Field 43:07
- Mathematical-Modeling 9:679
- Mechanism 9:459
- Membrane-Potential 6:477, 8:613
- Model 9:699
- Modulated-150-MHz-Electromagnetic-Field 37:17
- Monitoring 37:77
- Multichannel-Analyzer 34:177
- Nitrate/Nitrite-Respiration 39:13
- Osmosensitivity 5:554
- Osmotic-Shock 32:287
- Periplasmic-Protein 6:315
- Plasmid 25:259, 47:319
- Polarography 38:397
- Potassium-Accumulation 5:554, 5:561, 5:567, 6:315, 8:25, 8:597, 8:605, 8:613, 9:459, 11:29, 15:417, 19:353, 27:367, 39:13, 39:161
- Potassium-Dependent-ATPase 19:353
- Potassium-Ionophore 19:353
- Potassium-Uptake 5:554, 5:561, 39:13, 39:161
- Protoplast 25:259
- Pyrroloquinoline 46:249
- Quinone 46:249
- Redox-Measurement 34:177
- Redox-Mediated 37:77
- Redox-Potential 43:129
- Redox-Potential-Change 32:287
- Redox-Response 37:141
- Reduction 32:267
- Regularity 31:49
- Regulation 6:315
- Resonance-Effect 37:85
- Respiratory-Chain 39:13
- Reversal 9:459
- Saccharomyces-Cerevisiae 25:259
- Selection-Rule 27:405
- Sensitive 5:567, 6:477
- Separate-Effect 31:49
- Stationary-Phase-Specific 48:383
- Stimulating-Effect 37:17
- Stoichiometry 5:567
- Structural-Association 19:353
- Structure 8:605
- Sugar-Addition 9:325
- Superoxide-Dismutase 38:397
- Systemic-Reaction 34:05
- Tetraphenyl-Phosphonium 6:477
- Tetraphenyl-Phosphonium-Sensitive 9:325
- Thiol 32:267
- Transcription 43:07
- Transcription-Activity 48:383
- Transport-System 11:29
- Trk-Mutant 39:161
- Trk-Protein 27:367
- Trk-System 15:417
- Unc-Mutant 11:29
- Vapor-Phase 37:77
- Weak-Extremely-Low-Frequency-Electromagnetic-Field 34:05, 37:85
- Zero-Current-Potential 9:679, 9:699

Estazolam 19:533

Ethanol 18:211

Ethanol-Ingestion |Strong-» 16:333

Ethidium 16:519

Ethidium-Bromide 47:113

Ethioporphyrin
- Catalyst 10:485
- Complex 10:485
- Coupling 10:493
- Iron(III)-Complex 10:493
- NADH 10:485, 10:493
- Octane/Water-Interface 10:485, 10:493
- Oxidation 10:485
- Oxygen 10:493
- Participation 10:493
- Redox-Reaction 10:493
- Reduction 10:485
- Vitamin-K3 10:485

Ethyl-Isatine-Isothio-semicarbazone 11:173

Ethylenediaminetetraacetic-Acid 46:249

Eukaryotic-Cell 44:103

Eukaryotic-Gene-Expression 25:357

Evolution
- Active-Transport 31:271, 40:239
- Activity 31:271, 40:239

- Asymmetric-Distribution 32:249
- Biosystem 5:01
- Cell-Electroporation 32:249
- Central-Nervous-System 48:343
- Cofactor-Shuttle 31:271
- Electron-Driven 31:271, 40:239
- Enzyme 40:239
- Enzyme-Reaction 31:271
- G3P/DHAP-Shuttle 40:239
- Kinetics 31:271, 40:239
- Living-Cell 48:343
- Model 31:271, 40:239
- Molecular-Mechanism 21:03
- NAD 31:271
- NADH 31:271
- Oxygen 21:03
- Photosynthesis 21:03
- Pore 32:249
- Porphyrin 5:01
- Proton-Driven 31:271, 40:239
- Redox-Potential-Gradient 31:271, 40:239
- Redox-Reaction 31:271, 40:239
- Theory 32:249

Evolution-Time
- Bacterial-Activity 9:699
- Computer-Simulation 9:679
- Culture 9:679, 9:699
- Drug 9:699
- Escherichia-Coli 9:679, 9:699
- Gold-Electrode 9:679, 9:699
- Lipoic-Acid 9:679, 9:699
- Mathematical-Modeling 9:679
- Model 9:699
- Zero-Current-Potential 9:679, 9:699

Ex-Vivo 47:129

Exact-Solution
- Current–Voltage-Relation 6:461
- Nernst–Planck–Poisson-Equation 6:461
- Nerst-Equation 4:298
- Neutral-Membrane 4:298

Excess-Proton 9:61

Excitable-Biomembrane
- Calculation 26:159
- Carboxylic-Group 12:235
- Dynamics 26:159
- Outer-Depolarizing-Cation 26:159
- Sodium-Channel 12:235

Excitable-Membrane
- Frequency 9:603
- Sodium-Current 9:603
- Steady-State 5:535
- Surface-Compartment-Model 5:535, 11:477
- Theory 9:603
- Voltage-Waveform 9:603

Excitation
- Acetone 23:301
- Aggregation 23:301
- Biological-System 25:395
- Calcium-Ion 3:543
- Chlorophyll 23:301
- Dual-Frequency 25:395
- Fluorescence 23:301
- Nonlinear-Dielectric-Property 25:395
- Polarography 23:301
- Potassium-Ion 3:543
- Protozoan-Membrane 3:543
- Saccharomyces-Cerevisiae-Suspension 25:395
- Significance 3:543
- Trace-Amount 23:301
- Water 23:301
- Wavelength-Selected 23:301

Excitation-Inducing-Module 3:214

Excited-State
- Celomocyte 24:249
- Electrobioluminescence 19:09
- Lampito-Mauritii 19:09, 24:249
- Oscillatory-Bioluminescence 24:249
- Oxygen-Controlled-Production 24:249
- Parallel-Mechanism 19:09
- Pulsed-Direct-Current-Electrolysis 24:249

Exciton 3:545

Exciton-Mechanism 2:124

Exciton-State 2:339

Existence 27:405

Exogenous-Field 48:35

Exogenous-Release 31:237

Exogenous-Uptake 31:237

Exonuclease-III-Degradation 41:213

Experiment
- 915-MHz-Radiofrequency-Radiation 30:313
- Alternating-Magnetic-Field 14:39
- Aluminum-Electrode 39:39
- Anomalous-Heating 39:39
- Antibiotics 17:43
- Arthropod-Photoreceptor 3:151
- Augmented-Transcription 25:383
- Belousov–Zhabotinsky-System 15:485
- Beta-Lactam 17:43
- Bilayer-Lipid-Membrane 6:37
- Bioelectromagnetics 35:127
- Brain-Tumor 30:313
- Calcium-Ion 3:151
- Calcium-Transport 23:325
- Calculation 30:73
- Catalyzed 15:485
- Cell 44:141
- Cell-Cycle 45:139
- Cell-Electroporation 32:237
- Cell-Injury 23:325
- Cell-Membrane 3:151
- Cell-Surface 7:31
- Cellular-Electric-Potential 5:411
- Characterization 21:99
- Commercial-Equipment 35:127
- Controlled-Magnetic-Field 14:23
- Conversion 21:99
- Crayfish-Limulus 3:151
- Development 30:313
- Dielectrophoresis 17:549, 22:289
- Division 29:59
- Dumbbell-Shaped-Particle 26:383
- Early-Stage 35:13
- Electric-Breakdown 6:37, 16:455
- Electric-Field 39:39
- Electrofusion 19:173
- Electrolyte 8:347
- Electromagnetic-Field 16:561, 25:383, 30:73, 35:13, 48:261
- Electrophoresis 7:31
- Electroporation 39:39
- Electrorotation 26:383
- Electrostimulation 29:59
- Enclosure 14:23
- Enzyme 21:99
- Erythrocyte 16:455
- Exponential-Pulse 39:39
- Extremely-Low-Frequency-Electric-Field 44:141
- Extremely-Low-Frequency-Magnetic-Field 35:127
- Ferroin 15:485
- Fluorescence-Signal 44:141
- Frohlich-Electromagnetic-Field 41:35
- Generation 35:127
- Hepatic-Chronic-Iron-Overload 23:325
- Human-Erythrocyte 32:237
- Human-Lymphocyte 16:561
- Hybridoma-Production 19:173
- Impedance-Spectroscopy 45:139
- Implication 35:127
- In-Situ 44:141
- Individual-Cell 17:549
- Inflammation 14:39
- Interaction 16:561
- Ionic-Composition-Change 16:455
- Kinetics 32:237
- Lipoic-Acid 17:43
- Living-Cell 48:261
- Magnetophysiology 14:23
- Measurement 44:141, 48:261
- Measurement-System 41:35
- Mechanism 22:289
- Membrane-System 7:209
- Microbial-Culture 17:43
- Microelectronic-Sensor 48:261
- Mitochondrium 23:325
- Modeling 17:43
- Monitoring 45:139
- Packed-Bed 21:99
- Plant-Protoplast 29:59
- Pore 32:237
- Potential-Time-Signal 17:43
- Potentiometry 17:43
- Psoriasis 14:225
- Pulsating-Magnetic-Field 14:225
- Qualitative-Discussion 6:37
- Rat 14:39
- Reactor 21:99
- Reduction 17:43
- Simulation 16:455
- Small-Animal 30:73
- Specific-Electrical-Contribution 7:209
- Surface-Donnan-Potential 8:347
- TEM-Cell 30:73
- Theoretical-Pattern 15:485
- Theory 7:31, 16:561, 22:289, 26:383, 45:139
- Thylakoid-Membrane 8:347
- Transient-Response 25:383
- Treatment 14:225
- Visual-Cell 3:151
- Volume-Change 16:455
- Wound-Healing 35:13

Experimental-Animal 35:29

Experimental-Condition
- Accuracy 36:115
- Brain-Injury 22:403
- Dielectric-Parameter 36:115
- Dynamics 22:403
- Electrorotation 36:115
- Numerical-Analysis 36:115
- pH 22:403
- Redox-Potential-Change 22:403

Experimental-Model 6:427

External-Anion 15:431

External-Band-3-Conformation 38:99

External-Electrical-Field 3:58

External-Medium 4:185

External-Potassium 45:131

External-Signal 41:03

Extracellular-Alkali-Ion 46:293

Extracellular-Calcium 43:51

Extracellular-Potassium 3:582

Extracellular-Release 39:89

Extracellular-Status 32:287

Extracted-Cell 22:219

Extraction 45:157

Extremely-Low-Frequency-Field
- Enolase-Activity-Change 39:259
- Frequency-Dependence 39:259
- Interaction 30:93
- Nonthermal-Effect 30:93
- Transmembrane-Ionic-Flux 30:93

Facilitated-Diffusion
- Carbon-Dioxide 23:361
- Carbonic-Anhydrase 23:361
- Cellulose-Membrane 3:189
- Cytochrome 3:189
- Ion 3:189
- Respiration 23:361
- Saccharomyces-Cerevisiae 23:361

Facilitated-Proton-Transfer 25:81

Facilitation 20:99

FAD
- Amperometric-Assay 36:157
- Amplification 36:157
- Apoenzyme-Signal 36:157
- Aromatic-Amino-Acid 8:569
- ATR-IR-Spectroscopy 47:39
- Biomolecule 19:413
- Detection 36:157
- Electron-Transfer 19:413
- FMN 47:39
- Immobilized 47:39
- Interaction 8:569
- Intramolecular-Electron-Transfer 7:749
- Mediator 19:413
- NAD 8:569
- NADH 36:157
- NMR 7:749
- Platinum 19:413
- Spectroscopy 7:749
- Supported-Carbon-Fibre 47:39
- Theory 7:749
- Titanium-Dioxide 47:39
- Titanium-Dioxide-Modified 47:39

$FADH_2$ 27:495

Far-Field-Zone-Radiator 43:217

Fast-In-Flux-Procedure 40:181

Fatty-Acid 18:37

Female 38:173
Femto-Ampere-Sensitivity 41:201
Ferment-Activity 27:509
Fermentation
• Automatic-Online-Measurement 17:399
• Biomass 46:91
• Capacitive-Measurement 46:91
• Cellulase 32:89
• Dielectric-Spectroscopy 46:91
• Electrode-Polarization 46:91
• Electromagnetically-Induced-Current 32:89
• Electrostimulation 20:279, 32:89
• Liquid-Enzyme-Electrode 17:399
• Pulsatile 32:89
• Substrate 17:399
Fermentation-Broth 34:185
Ferredoxin
• Bacterial-Ferredoxin 12:509
• Chronoamperometry 12:575
• Clostridium-Pasteurianum 12:575
• Clostridium-Thermocellum 12:509
• Cluster 12:575
• Cyclic-Voltammetry 27:381
• Kinetics 12:575
• Lipid-Bilayer 27:381
• Methylviologen 12:575
• Modified-Electrode 27:381
• Redox-Potential 12:509
• Reduction 12:575
• Voltammetry 12:509
Ferredoxin-NADP$^+$-Reductase
• 36-kDa-Form 38:57
• Anabaena 38:57
• Diaphorase-Reaction 47:179
• Electrochemical-Method 47:179
• Electron-Transfer 38:179
• Flavoprotein 38:179
• Phycobiliprotein 38:57
• Viologen-Derivative 38:179
Ferric-Chelate-Compound
• Coupled-Mediator 11:289
• Erwinia-Dissolvens 17:217
• Lactobacillus-Plantarum 17:217
• Mediating-Effect 11:135, 17:217
• Microbial-Fuel-Cell 11:135, 11:289, 17:217
• Streptococcus-Lactis 17:217
• Thionine 11:289
Ferricyanide 32:267
Ferrioxamine-B 22:187
Ferriprotoporphyrin 5:661
Ferro/Ferricyanide 44:285
Ferrocene
• Cyclodextrin-Cavity 24:257
• Electron-Transfer 48:243
• Electron-Transport 24:257
• Glucose-Oxidase-Electrode 24:257
• Gold/Octadecanethiol/Lipid-Bimolecular-Lipid-Membrane-Electrode 48:243
• Redox-Couple 48:243
• Solution 48:243
Ferrocyanide 10:213
Ferrocyanide–Ferricyanide-Reaction 27:501
Ferroin 15:485
Fetal-Magnetocardiogram 47:273
Feulgen-Stain 9:645
Fibre |Oriented-NA-DNA-» 1:364
Fibrinogen 1:244
Fibrinogen |Human-» 16:27
Fibroblast
• Cell-Coat 39:31
• Cell-Culture 35:99
• Combined-Effect 39:109
• Culture-Medium 39:31
• Extremely-Low-Frequency-Magnetic-Field 39:21, 39:31
• Fibroblast-Culture 39:21, 39:31
• Glycosaminoglycan 39:31
• Human-Skin 39:109
• Hyperthermia 39:109
• Low-Level-Direct-Current 35:99
• Magnetic-Field 39:21, 39:31
• Measurement 39:109
• Metabolism 39:31
• Model 35:99
• Photodynamic-Cell-Treatment 39:109
• Static-Magnetic-Field 39:21, 39:31
• Transmembrane-Resting-Potential 39:109
• Vital-Function 39:21
Fibroblast |Cultured-»
• Catalase-Deficiency 18:271
• Comparison 18:271
• Human 18:271
• Human-Cell-Extract 18:271
• Human-Skin 27:269
• In-Vitro 27:269
• Low-Frequency-Electromagnetic-Field 27:269
• Lung 27:269
• Precancerous-Stage 18:271
• Premature-Terminal-Differentiation 27:269
• SV40-Transformed 18:271
• Xeroderma-Pigmentosum 18:271
Fibroblast |Human-»
• Cytoplasm 40:67
• Microelectrode 40:67
• Normal 27:19
• Nucleus 40:67
• Photodynamic-Laser-Therapy 27:19
• Transformed 27:19
• Transmembrane-Potential 40:67
• Transmembrane-Potential-Measurement 27:19
Fibroblast-Culture
• Cell-Coat 39:31
• Culture-Medium 39:31
• Extremely-Low-Frequency-Magnetic-Field 39:21, 39:27, 39:31
• Fibroblast 39:21, 39:31
• Free-Radical-Process 39:27
• Glycosaminoglycan 39:31
• Magnetic-Field 39:21, 39:27, 39:31
• Metabolism 39:31
• Static-Magnetic-Field 39:21, 39:27, 39:31
• Vital-Function 39:21
Field-Effect 8:89
Field-Intensity 43:27
Field-Strength 47:119
Film 32:35
Filter-Paper 8:275
Firefly-Electrode 19:21
Fish-Intestinal-Cell 40:261
Fitting 28:425
Fixed-Charge
• Action-Potential 1:217
• Activation 3:214
• Excitation-Inducing-Module 3:214
• Inactivation 3:214
• Ionic-Phenomena 1:217
• Theory 1:217
Fixed-Charge-Region 9:117
Flavanoid 36:137
Flavin
• Adsorbed 26:307
• Aqueous-Solution 11:105
• Bacterial-Bioluminescence 46:227
• Coenzyme 26:307
• Control 22:355
• Electrochemical-Property 11:105
• In-Vitro 46:227
• Inorganic-Nitrogen 22:355
• Interfacial-Electron-Transfer 26:307
• Mediated-Electrochemical-Process 46:227
• Nitrate-Reductase 22:355
• Photoregulation 22:355
• Photosynthetic-Metabolism 22:355
• Riboflavin 26:307
• Textured-Titanium-Dioxide-Film 26:307
• Viologen-Polymer-Electrode 46:227
Flavin |Exogenous-» 38:09
Flavin-Containing-Enzyme 11:61
Flavinmononucleotide 23:203
Flavodoxin 38:21
Flavoprotein
• Electron-Transfer 38:179
• Enzymatic-Redox-Reaction 13:233
• Ferredoxin-NADP$^+$-Reductase 38:179
• Graphite-Electrode-Surface 13:233
• Immobilized 13:233
• Polarographic-Reduction 6:117
• Prosthetic-Group 6:117
• Viologen-Derivative 38:179
Flock-Dependence 48:209
Flow
• Cell-Morphology 6:413
• Electrohydrodynamic-Admittance-Measurement 6:413
• Erythrocyte 30:181
• Hematocrit 6:413
• Inhomogeneous-Magnetic-Field 30:181
• Paramagnetic-Attraction 30:181
• Red-Blood-Cell-Suspension 6:413
• Wall-Potential 6:413
Flow-Cytometry 8:387
Flow-Injection-Analysis 13:199
Flow-System 45:227
Flow-Through-Reactor 22:379
Fluctuation 33:19
Fluidity 42:59
Fluorescamine-Treatment 33:143
Fluorescein 38:117
Fluorescence
• Acetone 23:301
• Aggregation 23:301
• Anisotropy 38:117
• Calcium-ATPase/Lipid-Reconstituted-System 38:117
• Chara-Corallina 17:165
• Chlorophyll 17:165, 23:301
• Dinitrophenol 17:165
• Excitation 23:301
• Fluorescein 38:117
• Glycoprotein-Sheath 17:429
• Internodal-Cell 17:165
• Lipid-Bilayer 38:117
• Membrane-Potential 17:165
• Membrane-Resistance 17:165
• Microelectrophoresis 17:429
• Murine-Neuro-Blastoma-Cell 17:429
• Outer-Membrane-Surface 17:429
• pH 17:165
• Phosphatidylethanol-thiocarbamide 38:117
• Polarography 23:301
• Trace-Amount 23:301
• Water 23:301
• Wavelength-Selected 23:301
Fluorescence-Change
• Electric-Stimulation 5:142
• Electropermeabilization 47:113
• Ethidium-Bromide 47:113
• Garfish-Olfactory-Nerve 5:142
• Interaction 47:113
• Mammalian-Cell 47:113
• Membrane 47:113
• Millisecond-Imaging 47:113
Fluorescence-Signal 44:141
Fluorescent-Dye 21:333
Fluorescent-Molecule 39:01
Fluorescent-Phospholipid 29:363
Fluorescent-Probe 28:221
Fluorescent-Probe-Induced-Change 26:493
Fluorouracil 29:347
Flux
• ATP-Hydrolysis 7:353
• Bimolecular-Lipid-Membrane 7:353
• Catalyzed 7:353
• Dielectric-Profile 6:599
• Electric-Charge 7:353
• Membrane-Potential 6:599
• Na-K-ATPase 7:353
• Stationary-State 6:599
Flux-Density
• 50-Hz-Magnetic-Field 43:51
• 60-Hz-Magnetic-Field 39:175
• Anchorage-Independent 39:175
• Cell-Growth 39:175
• Cyclic-AMP 43:51
• Extracellular-Calcium 43:51
• SV40-3T3-Cell 43:51
FMN 47:39
$FMNH_2$ 27:495
Folate 41:209

Folic-Acid
• Aqueous-Biological-Media 27:465
• Asymmetric-Reduction 7:693
• Carbon–Nitrogen-Bond 11:467
• Chiral-Electrode 7:693
• Modified-Carbon-Paste-Electrode 27:465
• Palmitic-Acid 27:465
• Stearic-Acid 27:465
• Vitamin-B9 27:465
Food-Product 47:25
Force 26:193
Foreign-Receptor 46:115
Formaldehyde 15:89
Fractal-Property 35:81
Fraction 28:319
Fragile 28:117
Fragment 13:453
Fragment-1 13:211
Free-Cell
• Acer-Pseudoplatanus 4:185, 7:377
• Cytoplasm 4:185
• Direct-Measurement 4:185
• Electric-Characteristics 7:377
• External-Medium 4:185
• Plasmolysis 7:377
• Potential-Difference 4:185
• Protoplast 7:377
Free-Cholesterol 28:105
Free-Energy
• Calculation 48:397
• Charge-State 48:397
• Charge-Transfer 48:397
• Hydration 5:582
• Intracellular-Water 5:582
• Intraprotein-Electric-Field 48:397
• Na-K-ATPase 5:582
• Protein-Structure 48:397
Free-Energy |Surface-» 17:349
Free-Radical-Process 39:27
Free-Radical-Scavenger 18:295
Freeze-Fracture 27:41
Frequency
• Alternating-Magnetic-Field 44:271
• Biological-Effectiveness 43:27
• Excitable-Membrane 9:603
• Field-Intensity 43:27
• Millimeter-Wave 43:27
• Primary-Root-Growth-Rate 44:271
• Resonance 43:27
• Sodium-Current 9:603
• Theory 9:603
• Voltage-Waveform 9:603
• Zea-Mays-Seedling 44:271
Frequency-Dependence
• Cell-Growth 27:361
• Cytochrome-Oxidase 46:139
• Enolase-Activity-Change 39:259
• Extremely-Low-Frequency-Field 39:259
• Function 42:231
• Intensity-Dependent 27:361
• Magnetic-Field 42:231, 46:139
• Microwave 27:361
• Na-K-ATPase 42:231
Frequency-Method 46:105
Frog 3:365
Frog-Skeletal-Muscle 34:157
Frohlich-Coherent-State 41:39
Frohlich-Electromagnetic-Field 41:35
Frohlich-Model 41:31
Frohlich-Theory 48:301
Fructose 13:39
Fuel-Cell 6:185
Fuel-Cell |Photo-Chemical-Electrical-»
• Alcohol-Fuel 14:357
• Carbohydrate-Fuel 14:367
Fullerene
• Carbon-Paste-Electrode 48:95
• C_{60} 42:161, 48:95
• Electronic-Process 42:161
• Geodesic-Form-Carbon 42:161
• Photoinduced-Electron-Transfer 48:95
• Preparation 48:95
• Solar-Cell 48:95
• Supported-Bilayer-Lipid-Membrane 42:161
• Synthetic-Chlorophyll-Analogue 48:95
Function
• Alternating-Current 22:313
• Ascite 10:75
• Biomembrane 5:43
• Bromosulfophthalein 10:75
• Cell-Surface-Charge 5:168
• Characteristic-Inhibition 5:168
• Electrodic-Memory 5:43
• Electron-Carrier 3:302
• Frequency-Dependence 42:231
• Lymphocyte–Lymphocite-Interaction 5:168
• Magnetic-Field 42:231
• Model 5:43
• Na-K-ATPase 22:313, 42:231
• Photosynthesis 3:302
• Plasma-Membrane 10:75
• Plastoquinone 3:302
• Proton-Carrier 3:302
• Qualitative 5:43
• Structure 10:75
• Tumor-Cell 10:75
Functional-Characterization 38:35
Functional-Implication 20:73
Functional-Magnetic-Stimulation 47:213
Functional-Neuromuscular-Stimulation 27:115
Functional-Organization
• Common-Brain-Stem-System 37:31
• Dynamics 37:31
• Modulated-High-Frequency-Electromagnetic-Field 37:31
• Photosynthesis 7:101
• Structural-Organization 7:101
• Visible-Light 7:101
• Water-Cleavage 7:101
Functional-Property 4:490
Functional-Role 7:281
Functionality 19:67
Functioning
• Activation 20:249
• Aerobic-Bacteria 20:249
• Electrochemical-Reduction 21:367
• Hyperpolarization 20:249
• H^+-ATPase 20:249
• Membrane 20:249
• Model 20:249
• Participation 21:367
• Pheophytin 21:367
• Photosystem-II 21:367
• Redox-Chain 20:249
• Regulation 20:249
• Utilizable-Sugar 20:249
Fused 27:373
Fusion
• Atomic-Force-Microscopy 38:137
• Bacillus-Thuringiensis 11:181
• Biological-Activity 38:137
• Biological-Implication 9:223
• Blastocyst 9:223
• Blastomere 9:223
• Centrifugal 24:33
• Comparison 24:33
• Component 38:137
• Electric-Field 17:09, 24:33
• Electric-Field-Effect 9:223, 11:181
• Hepatocyte 17:09
• High-Electric-Field-Pulse 11:181
• Incorporated 38:137
• Liposome 38:137
• Microbiological-Implication 11:181
• Morphological-Alteration 17:09
• Mouse-Embryo 9:223
• Proteoliposome 38:137
• Protoplast 11:181
• Quartz-Crystal-Microbalance 38:137
• Rat-Hepatocyte 24:33
• Solid-Substrate 38:137
• Surface-Plasmon-Resonance 38:137
G3P/DHAP-Shuttle 40:239
GABA 27:487
Gallbladder 36:77
Galvanic-Cell 6:563
Galvanic-Cell |Short-Circuited-» 10:301
Gamma-Irradiation
• Human-Hemoglobin 1:118
• Native-DNA 5:483
• Oxygen-Binding-Property 1:118
• Redox-Reaction 1:118
• Ultrasound-Sonicated 5:483
• Voltammetry 5:483
Gamma-Radiation 12:555
Ganglioside 22:365
Gap-Junction-Channel 45:55
Gap-Junction-Impedance 35:63
Garfish-Olfactory-Nerve 5:142
Gated 16:341
Gating
• Acetylcholine-Receptor-Channel 35:81
• Electromagnetic-Exposure 29:289
• Fractal-Property 35:81
• Ionic-Channel 29:289
• Microwave-Field 35:81
• Stochastic-Model 29:289
Gating-Current 7:421
Gel-Immobilized 8:379
Gene-Delivery
• Drug-Delivery 42:283, 48:03
• Electroincorporation 42:283
• Electroporation 42:283, 48:03
• In-Vivo 42:283
• Large-Molecule 42:283
• Pressure-Mediated 42:283
• Transdermal-Delivery 42:283
Gene-Expression
• 60-Hz-Alternating-Current-Magnetic-Field 43:83
• 60-Hz-Magnetic-Field 43:01
• Electroporation 47:03
• Epigenetic-Control 11:383
• Human-Cell-Line 43:01
• Interleukin-10 47:03
• Kinetics 43:01
• Low-Frequency-Electric-Field 31:167
• Low-Frequency-Magnetic-Field 31:167
• Multiple-Cell-Generation 43:83
• Saccharomyces-Cerevisiae 31:167, 43:83
• Unifying-Hypothesis 11:383
Gene-Transfer
• Animal-Cell 17:253
• Electrically-Mediated 47:129
• Electroporation 17:253
• Electrotransfection 17:253
• Ex-Vivo 47:129
• In-Vitro 47:129
• Murine-Melanoma 47:129
• Permeabilization 47:129
• Strain-Improvement 17:253
Gene-Transfer |Direct-» 28:247
Generation
• Bacterial-Cell 48:375
• Biocatalytic-Current 10:385
• Bioelectromagnetics 35:127
• Biological-Activity 46:21
• Cell-Process 20:143
• Commercial-Equipment 35:127
• Depletion 48:375
• Dimethoxy-Nitrobenzene 46:21
• Early-Receptor-Potential 5:425
• Electrochemical-Reduction 46:21
• Electrofusion 43:35
• Experiment 35:127
• Extremely-Low-Frequency-Magnetic-Field 35:127
• High-Frequency-Electric-Field 20:143
• Homogeneous-Electric-Field 27:305
• Homogeneous-Magnetic-Field 27:305
• Implication 35:127
• Kinetics 10:385
• Liquid-Membrane-System 19:291
• Low-Level-Chemiluminescence 48:375
• Mechanism 5:425, 19:291
• Membrane-Potential 19:291
• Microbiological-Growth 48:375
• Model 48:375
• Monoclonal-Progesterone-Antibody 43:35
• Nitro-Radical-Anion 46:21
• Peak 19:291
• pH-Jump 19:291
• Potential-Spike 19:291
• Radiofrequency-Cavity-Resonator 27:305
• Revisited 5:425
• Spike 19:291

Genetic-Code 44:23
Genetic-Effect
• Biophysical-Aspect 27:11
• Drosophila-Melanogaster 36:95
• Low-Intensity 27:11
• Millimeter-Wave 27:11
• Mutagen-Sensitive-Mutant 36:95
• Somatic-Cell-Test 36:95
• Static-Magnetic-Field 36:95
Genetic-Programming 48:389
Genetics 48:209
Genome 27:405
Genotoxic-Effect 36:09
Gentamicin 23:153
Geodesic-Form-Carbon 42:161
Geometric-Curvature 41:59
Giant-Axon-System 6:273
Glass-Patch-Pipette 12:329
Glass-Surface 33:91
Glassy-Carbon 25:241
Glassy-Carbon-Electrode
• Accumulation 31:203
• Adenine 31:203
• Adsorbed 45:293
• Adsorption 5:526, 14:389
• Alcaligenes-Eutrophus 28:473
• Anodic-Stripping-Voltammetry 31:203
• Biologically-Active 17:567
• Copper-Compound 31:203
• Cytochrome 29:237, 45:293
• Direct-Electron-Transfer 28:473
• Direct-Electron-Transfer-Reaction 29:237
• Dopamine 14:389
• Electrochemical-Reactivity 17:567
• Electrochemically-Pretreated 14:389
• Electrode-Reaction 14:389
• Guanine 31:203
• Hydrogenase 28:473
• Lewis-Acid 5:526
• Oxidation 5:526
• Paracoccus-Versutus 45:293
• pH 5:526
• Quinone–Hydroquinone-Sesquiterpenoid 17:567
• Spinner-Method 26:297
• Ubiquinone-Q10-Film-Coated 26:297
• Voltammetry 14:389
Glassy-Carbon-Electrode |DNA-Modified-» 42:175
Glassy-Carbon-Electrode |Modified-» 25:425
Glioma-Bearing-Rat 46:241
Globular-Protein 3:328
Glowing-Earthworm-Electrode 14:405
Glucose
• Adsorbed-Metal 9:571
• Amperometric-Sensor 39:303
• Anodic-Oxidation 9:571
• Bienzyme-Electrode 8:81
• Biocatalytic-Oxidation 8:103
• Bioelectrochemical-Fuel-Cell 43:177
• Biofuel-Cell 3:139
• Biological-Component 9:571
• Biologically-Interesting-Compound 9:469
• Buffered-Media 10:239
• Carbon-Paste-Electrode 47:67
• Catalyst-Binder 8:115
• Catalytic-Oxidation 9:571
• Characteristics 3:139
• Collagen-Film 5:548
• Comparative-Study 9:469
• Composite-Membrane 39:303
• Conductive-Charge-Transfer-Complex 8:103
• Construction 3:139
• Degradation 43:177
• Deposited-Polypyrrole 29:159
• Design 22:379
• Development 5:607, 8:115, 22:379
• Electrocatalytic-Sensor 5:607, 26:43
• Electrode 3:139, 5:548, 8:115
• Electrolyte-Composition 16:213
• Electrooxidation 10:239
• Flow-Through-Reactor 22:379
• Glucose-Oxidase 5:548, 39:303
• Highly-Sensitive 5:548
• Immobilization 39:303
• Implantable 5:607
• Measurement 8:115
• Mediator 29:159
• Modified-Platinum-Electrode 9:571
• Open-Circuit-Potential-Decay 16:213
• Oxidase 47:67
• Performance 3:139
• Platinum-Electrode 10:239
• Poly-Vinyl-Alcohol 39:303
• Polycrystalline-Gold-Electrode 16:213
• Reconstituted 47:67
• Regenerated-Silk-Fibroin 39:303
• Subcutaneous-Application 26:43
• Synechocystis 43:177
• Third-Generation-Amperometric-Biosensor 29:159
• Uniform-Latex-Particle-Matrix 29:159
• Voltammetric-Response 16:213
Glucose-Assay 40:59
Glucose-Concentration
• Gel-Immobilized 8:379
• Glucose-Dehydrogenase-Electrode 8:379
• Glucose-Oxidase–Catalase-Electrode 6:19
• Potentiometry 6:19, 8:379
• Quantitation 6:19
Glucose-Conversion 11:155
Glucose-Dehydrogenase 46:249
Glucose-Dehydrogenase-Electrode 8:379
Glucose-Minisensor 42:35
Glucose-Oxidase
• Active-Center 33:191
• Alkane-Thiol 36:73
• Amperometric-Sensor 39:303
• Amperometry 11:155
• Characteristics 42:63
• Collagen-Film 5:548
• Composite-Membrane 39:303
• Current-Fluctuation 45:233
• Cyclic-Voltammetry 27:153
• Direct-Electron-Transfer 33:191
• Electrochemical-Reaction 21:133
• Electrode 5:548
• Enzyme-Electrode 27:153, 34:195
• Glucose 5:548, 39:303
• Glucose-Conversion 11:155
• Graphite-Electrode 21:133, 33:191
• Highly-Sensitive 5:548
• Immobilization 19:277, 39:303
• Immobilized 8:703
• Inhibition 8:703
• Kinetics 33:55
• Membrane-Electrode 11:155
• Metal-Ion 8:703
• Mild-Immobilization 33:191
• Modified-Bilayer-Lipid-Membrane 45:233
• Modified-Platinum-Electrode 36:73
• Mutarotase 11:155
• Poly-Vinyl-Alcohol 39:303
• Polyacrylamide-Gel 8:703
• Polypyrrole-Film 29:47
• Polypyrrole–Lecithin-Bilayer-Lipid-Membrane 19:277
• Potentiometry 34:195
• Regenerated-Silk-Fibroin 39:303
• Rotating-Disc-Electrode 33:55
• Scanning-Tunneling-Microscopy 29:47
• Soluble 33:55
• Surface 42:63
• Third-Generation-Biosensor 29:47
Glucose-Oxidase |Immobilized-» 42:59
Glucose-Oxidase–Catalase-Electrode 6:19
Glucose-Oxidase-Electrode
• Amperometry 28:387
• Complex 23:203
• Cyclodextrin-Cavity 24:257
• Electron-Transport 24:257
• Ferrocene 24:257
• Flavinmononucleotide 23:203
• Sensitivity 23:203
• Tetracyanoquinodimethane 23:203
• Tetrathiafulvalene 23:203
Glucose-Oxidase/Glucose-System 38:307
Glucose-Oxidation
• Cyclic-Voltammetry 15:157, 17:59
• Gold-Electrode 15:157
• Oxide-Covered 17:59
• Platinum-Electrode 17:59
• Thallium-Layer 17:59
• Underpotential-Deposited 17:59
Glucose-Sensing 26:211
Glucoside 32:277
Glutamate-Dehydrogenase
• Denaturation 12:431
• Differential-Pulse-Polarography 15:329
• Electric-Control 28:489
• Electrode-Process 15:329
• Modification 12:431
• Polarography 9:345, 12:431
• Polypyrrole-Membrane 28:489
• Zinc-Binding 9:345
Glutamate-Synthase 38:21
Glutamic-Acid
• Enzymatic-Decarboxylation 3:106
• Enzyme-Electrode 2:142
• Potentiometry 3:106
• Pyruvic-Acid 3:106
Glutathione
• Alkaline-Earth-Ion 29:113
• Alternating-Current-Polarography 11:265, 11:425
• Amoxycillin 20:125
• Ampicillin 10:395, 11:265
• Binding 11:425
• Calcium-Ion 29:103
• Cloxacillin 11:425
• Electrochemical-Evidence 10:395
• Escherichia-Coli 32:287
• Extracellular-Status 32:287
• Gold-Electrode 29:103, 29:113
• In-Vitro 11:425
• Interaction 10:395, 11:265, 20:125, 34:13
• Ion-Gate-Response 29:103, 29:113
• Kinetic-Parameter 34:13
• Microcalorimetry 20:125
• Monolayer-Assembly 29:103, 29:113
• Nicardipine 34:13
• Nitro-Radical-Anion 34:13
• Osmotic-Shock 32:287
• pH 29:103
• Polarography 20:125
• Potassium-Ion 29:103
• Redox-Potential-Change 32:287
• Strong-Ethanol-Ingestion 16:333
Glycogen 1:478
Glycolipid-Containing-Bilayer 26:63
Glycolysis
• Activity 39:161
• Anaerobically-Grown-Cell 39:13
• Characteristics 39:13
• Comparison 39:13
• Energy-Dependent 39:13, 39:161
• Escherichia-Coli 39:13, 39:161
• Nitrate/Nitrite-Respiration 39:13
• Potassium-Accumulation 39:13, 39:161
• Potassium-Uptake 39:13, 39:161
• Respiratory-Chain 39:13
• Trk-Mutant 39:161
Glycolytic-Oscillation |Fast-» 47:143
Glycoprotein-Sheath 17:429
Glycosaminoglycan 39:31
Gold 3:49
Gold-Electrode
• Acid 11:279
• Adsorption 8:125, 8:229
• Alkaline-Earth-Ion 29:113, 39:135
• Araboascorbic-Acid 11:279
• Bacterial-Activity 9:699
• Bioelectrochemistry 42:07
• Biosensor 42:07
• Bound 29:127
• Calcium-Ion 29:103
• Capacitance 44:163

- Catalytic-Capability 29:127
- Characteristics 44:163
- Computer-Simulation 9:679
- Covalently-Bound 44:45
- Culture 9:679, 9:699
- Cyclic-Voltammetry 15:157
- Cysteine-Containing-Dipeptide-Monolayer 39:135
- Cytochrome 13:373
- Diaphorase 29:127
- Dopamine 44:45
- Drug 9:699
- Electrocatalytic-Oxidation 44:45
- Electrooxidation 11:279
- Escherichia-Coli 9:679, 9:699
- Evolution-Time 9:679, 9:699
- Glucose-Oxidation 15:157
- Glutathione 29:103, 29:113
- Horse-Heart 13:373
- Ion-Gate-Response 29:103, 29:113, 39:135
- Lipoic-Acid 9:679, 9:699
- Mathematical-Modeling 9:679
- Model 9:699
- Monolayer-Assembly 29:103, 29:113
- NAD 8:229
- NADH 44:45
- Neutral-Media 11:279
- Nucleic-Acid-Base 8:125
- Nucleoside 8:125
- Nucleotide 8:125
- pH 13:373, 29:103
- Potassium-Ion 29:103
- Pyridyl-Disulfide-Modified 13:373
- Redox-Potential 13:373
- Self-Assembled-Cysteamine-Monolayer 44:45
- Self-Assembled-Monolayer 44:163
- Self-Assembled-Thiol-Monolayer 29:127, 42:07
- Specular-Reflectivity-Measurement 8:125
- Structural-Effect 8:125
- Temperature-Dependence 13:373
- Zero-Current-Potential 9:679, 9:699

Gold-Electrode |Chemically-Modified-» 29:177

Gold-Electrode |Modified-»
- Adrenodoxin 47:75
- Bipyridyl-Surface 7:527
- Bonded-Oxygen 45:287
- Cytochrome 7:527, 29:71, 34:153
- Direct-Electron-Transfer 47:75
- Electrochemical-Property 27:207, 27:501
- Electrochemical-Reaction 34:153
- Electrochemical-Reduction 45:287
- Electron-Transfer 29:71
- Ferrocyanide–Ferricyanide-Reaction 27:501
- Kinetics 27:501
- Mechanism 7:527
- Mixed-Monolayer 27:207
- Mixed-Monolayer-Assembly 27:501
- Mutant 47:75
- Oxyhemoglobin 45:287
- pH 29:71
- Polar-Head-Group 27:501
- Protein 47:75
- Pyridyl-Disulfide 29:71
- Self-Assembled-Cysteamine-Monolayer 45:287
- Thiophene 34:153

Gold-Electrode |Polycrystalline-» 16:213

Goldfish-Retina 12:243

Goldman–Hodgkin–Katz-Equation 13:439

Gram-Negative-Bacterium 43:135

Gram-Positive 21:161

Gramicidin
- Channel 24:297
- Current–Voltage-Characteristics 34:61
- Gramicidin-Channel 34:61
- Ionic-Composition-Dependence 19:127
- Kinetics 24:297
- Lipid-Bilayer 19:127
- Liposome 24:297
- Nonlinearity 34:61
- Permeability-Coefficient 19:127
- Red-Blood-Cell-Membrane 19:127
- Structure 34:61
- Tracer-Determined 19:127

Gramicidin-Channel
- Current–Voltage-Characteristics 34:61
- EIS-Study 47:343
- Gramicidin 34:61
- Impedance-Analysis 42:213
- Incorporated 42:213
- Ion-Transport 42:213
- Ionic-Transport 47:343
- Liposome 47:343
- Nonlinearity 34:61
- Solid-Supported-Lipid-Bilayer 42:213
- Structure 34:61
- Temperature-Dependence 47:343

Gramicidin-Exchange 26:395

Granulocyte-System |Human-» 4:73

Grapevine 43:165

Graphite-Electrode
- Active-Center 33:191
- Adsorption 8:451
- Direct-Electron-Transfer 33:191
- DNA 9:245
- Electrochemical-Oxidation 7:69, 9:245
- Electrochemical-Reaction 21:133
- Entrapped-Cytochrome 37:125
- Glucose-Oxidase 21:133, 33:191
- Hydrogel-Membrane 37:125
- Mild-Immobilization 33:191
- Netropsin 9:245
- Nucleic-Acid 7:69
- Protein 7:69, 8:451
- Qualitative-Aspect 7:69
- Voltammetry 37:125

Graphite-Electrode-Surface 13:233

Graphite-Paste-Electrode
- Adsorption 15:103
- Adsorption-Isotherm-Plot 15:103
- Alzheimer's-Disease 28:127
- Capillary 28:127
- Cyclic-Voltammetry 28:127
- Cytochrome 15:103
- Electroanalytical-Characterization 28:127
- Graphite-Powder/Liquid-Interface 15:103
- Insect 9:103
- Linear-Sweep-Voltammetry 15:103
- Ovine-Spongiform-Encephalopathy 28:127
- Parallel 15:103
- Pterobilin 9:103
- Repeated 28:127
- RNAase-A 15:103
- Tetrapyrrolic-Pigment 9:103

Graphite-Powder/Liquid-Interface 15:103

Green-Alga 32:45

Green-Plant 17:325

Ground-State 48:301

Growth-Characteristics 44:83

Growth-Control 1:266

Growth-Factor
- Bone-Formation 35:87
- Comparison 5:459
- Direct-Current 5:459
- Embryonic-Sensory-Ganglia 5:459
- In-Vitro 5:459
- Insulin-Like 35:87
- Magnetic-Field 35:87
- Minute-Level 5:459
- Nerve 5:459
- Regulation 35:87

Growth-Medium-Parameter 40:181

Growth-Parameter-Change 27:281

Growth-Phase 38:149

Growth-Related-Enzyme 36:01

Growth-Stimulation 44:95

Guanine
- Accumulation 31:203
- Adenine 31:203, 48:69
- Anodic-Stripping-Voltammetry 31:203
- Classification 48:69
- Copper-Compound 31:203
- Cytosine 48:69
- Electron-Affinity 48:69
- Glassy-Carbon-Electrode 31:203
- Guanosine 42:111
- Half-Wave 48:69
- Organic-Molecule 48:69
- Reduction-Potential 48:69
- Sonoelectrochemistry 42:111
- Thymine 48:69
- Uracil 48:69

Guanine-Derivative 7:643

Guanosine
- Adenosine 8:523
- Adsorption-Stage 8:671
- Association 8:671
- Calf-Thymus 7:643
- Charged-Interface 8:671
- Cytidine 8:523
- DNA 7:643
- Electrochemical-Examination 8:523
- Electrochemical-Oxidation 43:105
- Enzymatic 43:105
- Fast-Cyclic-Voltammetry 7:643
- Guanine-Derivative 7:643
- Hydroxyguanosine 43:105
- Interaction 8:523
- Mercury-Electrode 21:83
- Mouse 43:105
- Nucleoside 8:523
- Oxidation-Product 43:105
- Reduction 21:83
- Solution 8:671
- Sonoelectrochemistry 42:111
- Varying-pH 8:671

Guanosine-Diphosphate 16:497

Guanosine-Monophosphate 16:497

Guanosine-Triphosphate 16:497

Guinea-Pig 36:77

Guinea-Pig-Gallbladder 36:23

H^+-ATP-Synthase 33:31

H^+-ATPase
- Activation 20:249
- Aerobic-Bacteria 20:249
- Alternating-Current-Field 37:153
- Anaerobically-Grown-Cell 27:367
- Bacterial-Membrane 12:593
- Complex 12:593, 27:367
- Energy-Dependent 19:353, 27:367
- Escherichia-Coli 19:353, 27:367
- Functioning 20:249
- Hyperpolarization 20:249
- Inhibition 37:153
- Interaction 12:593, 27:367
- Membrane 20:249
- Model 20:249
- Natural-Potassium-Ionophore 12:593
- Potassium-Accumulation 19:353, 27:367
- Potassium-Dependent-ATPase 19:353
- Potassium-Ionophore 19:353
- Redox-Chain 20:249
- Regulation 20:249
- Structural-Association 19:353
- Trk-Protein 27:367
- Utilizable-Sugar 20:249

H^+-F_1F_0-ATPase 33:01

H^+-Transport 19:359

H_2-Uptake 48:87

Half-Wave 48:69

Halobacteria 3:371

Halobacterium-Halobium
- Electrokinetic-Property 12:173
- Lipophilic-Ion 14:439
- Membrane 14:439
- Purple-Membrane-Particle 12:173
- Transport-Rate 14:439

Halobium
- In-Vitro 6:509
- In-Vivo 6:525

Halogen-Anion 9:551

Halorhodopsin 46:289

Hanging-Mercury-Drop-Electrode 2:204

Harderian-Gland 30:203

Harmonic-Tuning |Even-» 38:161

Harmonic-Tuning
|Odd-» 38:161
HC-Antigen 24:41
He-Ne-Laser
• Biochemical-Property 10:185
• Erythrocyte-Membrane 38:427
• Interaction 38:427
• Irradiation 10:185
• Optical-Property 10:185
• Radiation 38:427
• Rat-Liver-Mitochondrium 10:185
Head-Group 19:557
Heat-Shock 31:27
Heated 37:157
Heating 47:301
Heavy-Metal 14:375
HeLa-Cell 20:169
HeLa-Extract 43:07
Helical-Transition 19:441
Helicity 27:405
Helioferin 39:295
Helix-Pomatia
• Bioelectrical-Parameter 37:39, 37:47
• Electromagnetic-Field 37:39
• High-Frequency-Electromagnetic-Field 37:39, 37:47
• Magnetic-Field 37:39, 37:47
• Nerve-Cell 37:39, 37:47
• Neuronal-Membrane 3:169
• Outward-Current 3:169
• Potassium-Activity 3:169
• Vineyard-Snail 37:39, 37:47
• Weak-Low-Frequency-Pulsed-Electromagnetic-Field 37:39, 37:47
Hematocrit 6:413
Hematopoietic-Blast 27:373
Heme 48:87
Heme-Containing-Enzyme 11:61
Heme-Containing-Protein 2:69
Heme-Protein
• Active-Site 48:79
• Cytochrome 1:389
• Cytochrome-Oxidase 1:389
• Energetics 1:389
• Heterogeneity 48:79
• Kinetics 1:389
• Nernst-Plot 48:79
• Spectroelectrochemical 1:389
• Spectroelectrochemistry 48:79
• Stoichiometry 1:389
Hemin
• Artesunate 44:295
• Interaction 44:295
• Ligand 1:23, 1:525
• Organic-Media 1:23, 1:525
• Redox-Property 1:23, 1:525
Hemodynamic-Stress 19:207
Hemoglobin
• Adsorbed 19:337
• Bifunctional-Dye 24:23
• Biomembrane-Like 48:117
• Biosensor 42:71
• Brdicka-Type 17:71
• Brilliant 21:233
• Camelus-Dromedarius 15:521
• Carbon-Dioxide-Detection 42:71
• Catalytic-Current 9:419, 17:71
• Covered 21:233
• Cresyl-Blue 21:233
• Dimyristoyl-Phosphatidylcholine 48:117
• Direct-Electron-Transfer 48:117
• Disaggregation-Constant 17:349
• Dye-Modified-Electrode 26:351
• Electrode-Process 21:233
• Erythrocyte 7:291
• Indication 17:71
• Janus-Green-Modified-Electrode 24:23
• Linear-Dependence 9:419
• Methylene-Blue 19:337
• Modified-Bilayer-Lipid-Membrane 42:71
• Modified-Electrode 19:337
• Number-of-SH-Groups 9:419
• Oligomeric-Equilibria 17:349
• Oxidation 19:337
• Oxygen-Carrier 7:291
• Perfluorocarbon-Emulsion 7:291
• pH-Dependence 17:71
• Platinum-Electrode 21:233
• Polarography 7:291, 9:419
• Potential 17:349
• Potentiometry 15:521
• Prediction 17:349
• Pyrolytic-Graphite-Electrode 48:117
• Quasi-Reversible 19:337
• Quaternary-Structure-Change 17:71
• Rapid-Electrochemical-Oxidation 26:351
• Rapid-Oxidation 24:23
• Rapid-Reduction 24:23
• Redox-Property 15:521
• Reduction 19:337
• Spectroelectrochemistry 19:337
• Surface-Free-Energy 17:349
Hemoglobin |Bovine-» 8:141
Hemoglobin |Human-»
• Bovine-Hemoglobin 8:141
• Catalytic-Current 8:141
• Correlation 8:141
• Deoxygenated 47:297
• Gamma-Irradiation 1:118
• High-Magnetic-Field 47:297
• Light-Absorption 47:297
• Oxygen-Binding-Property 1:118
• Polarography 8:141
• Redox-Reaction 1:118
• SH-Group-Content 8:141
Hemolysis 31:193
Hemophilic-Arthropathy 14:175
Hemophilic-Myopathy 14:175
Hemoprotein
• Adsorbed 4:490
• Electrochemical-Reaction 8:681
• Functional-Property 4:490
• Mechanism 8:681
HeNe-Laser
|Low-Power-» 8:315
Hepatic-Chronic-Iron-Overload 23:325
Hepatocyte 17:09
Hepatocyte-Tissue 47:333
Heptane/Water-Interface
• Chloroplast-Spread 7:167
• Contact-Phenomena 1:506
• Measurement 7:167
• Nanosecond-Range 7:167
• Photosynthetic-Charge-Separation 7:167
• Valinomicin 1:506
Hetero-Association 16:449
Heterocyclic-Compound 3:37
Heterogeneity
• Active-Site 48:79
• Core 38:67
• Electron-Transfer 38:67
• Heme-Protein 48:79
• Higher-Plant 38:67
• Nernst-Plot 48:79
• Phosphorylation 38:67
• Photosystem-II 38:67
• Regulation 38:67
• Spectroelectrochemistry 48:79
Hevea 48:135
Hevea-Brasiliensis-Laticiferous
• Activation 26:223
• Electrogenic-Proton-Pump 26:223
• Plasma-Membrane 26:223
• Potassium-Channel 31:215
• Protoplast 31:215
• Sucrose/H^+-Glucose/H^+-Symport 26:223
• Sugar-Absorption 31:215
• Vessel 31:215
Hexamethyl-Phosphoric-Triamide 8:43
High-Biological-Activity 4:195
High-Concentration 26:117
High-Dilectric-Permittivity 4:166
High-Efficiency 47:103
High-Potential
• Brdicka-Wave 7:187
• Chromatium-Vinosum 26:123
• Iron-Protein 26:123
• Iron-Sulfur-Protein 7:187
• Mercury-Electrode 26:123
• Polarography 26:123
• Surface-Chemistry 26:123
High-Volume 28:319
Higher-Plant 38:67
Highly-Sensitive 5:548
Histopathology 30:203
HL-60-Cell
• 60-Hz-Electromagnetic-Field 44:111
• Adaptation 29:185
• ADP-Level-Change 46:255
• Alternating-Current-Electric-Field 28:301
• ATP-Level-Change 46:255
• Biological-Variable 44:111
• Electric-Field 29:185
• Increase 29:185
• Low-Frequency-Electric-Field 46:255
• Magnetic-Field 29:185
• Myc-Expression 44:111
• Reactive-Oxygen-Species 46:255
• Technical-Variable 44:111
• Transcript 29:185
• Transcription-Change 28:301
• Treatment 46:255
• Zymosan-Activated 46:255
Homeostasis 27:487
Homocysteine 48:43
Homogeneous-Electrical-Field 6:349
Homogeneous-Mediation 44:65
Homologous 7:459
Horse-Heart
• Chemically-Modified-Gold-Electrode 29:177
• Comparison 11:319
• Cytochrome 3:113, 9:91, 11:319, 13:373, 29:177, 41:107
• Denaturation 41:107
• Electroactivity 9:91
• Electrochemical-Identification 41:107
• Electrochemical-Property 11:319
• Electron-Transfer 3:113
• Gold-Electrode 13:373
• Intermediate-Form 41:107
• Microperoxidase 29:177
• pH 9:91, 11:319, 13:373
• Pseudomonas-Aeruginosa 11:319
• Pyridyl-Disulfide-Modified 13:373
• Redox-Potential 13:373
• Spectrophotometric-Property 11:319
• Structural-Effect 3:113
• Sulphur-Containing-Compound 29:177
• Temperature-Dependence 13:373
• Urea 41:107
Horse-Liver
• Active-Site 13:407
• Alcohol-Dehydrogenase 13:407, 43:157
• Bakers-Yeast 43:157
• Metal-Dithiolene 43:157
• Polarography 13:407
• Zinc 13:407
• Zinc-Center 43:157
Horseradish-Peroxidase
• Adsorbed 38:401
• Alkanethiol 46:193
• Alkyl-Chain-Length 46:193
• Amperometric-Detection 45:221
• Catalytic-Reduction 46:193
• Direct-Electrochemistry 44:177, 45:221
• Electrocatalytic-Property 39:267
• Electrochemical-Property 38:401
• Enzyme 38:401
• Hydrogen-Peroxide 45:221, 46:193
• In-Situ 39:267
• Mediated 46:193
• Membrane-Entrapped 44:177, 45:221
• Methylene-Blue 46:193
• Monoclonal-Antibody 38:401
• Platinum-Cathode 22:197
• Reaction 22:197
• Scanning-Tunneling-Microscopy 39:267
• Self-Assembled-Monolayer-Electrode 46:193
• Solid-Graphite 38:401
• Spectroscopy 44:177
• Structure 39:267
• Voltammetry 44:177
Horseshoe-Crab 45:111
Human 18:271
Human-Adult-Kidney 46:45
Human-Body-Model 47:221
Human-Cell |Modified-» 47:89
Human-Cell-Extract 18:271

Human-Cell-Grown-Monolayer
• Cell-Proliferation 25:325
• DNA-Synthesis 25:325
• Electropermeabilization 23:65
• Electroporation 25:325, 28:269
• Incorporation 23:65
• Monoclonal-Antibody 23:65
• Primary-Cell 28:269
• Transformed-Cell 28:269
Human-Cell-Line 43:01
Human-Serum
• Alpha-Amylase-Assay 24:365
• Bowel-Cancer 13:103
• Complex 13:103
• Dielectric-Constant 13:103
• Enzymatic-Potentiometry 5:63
• Enzyme-Electrode 24:365
• Mediated-Amperometry 24:365
• Oligosaccharide-Dehydrogenase 24:365
• Patient 13:103
• Protein-Bound 13:103
• Urea 5:63
• Water 13:103
Human-Serum-Albumin 9:07
Human-Subject 14:71
Humoral-Responsiveness 24:371
Hybridization 22:57
Hybridoma 24:41
Hybridoma |Electric-Field-Induced-» 25:295
Hybridoma-Production 19:173
Hydantoin 8:287
Hydrated-Ion 42:153
Hydrated-Structure 8:555
Hydration
• Conformational-C ange 48:361
• Correlated-Electrostatic-Interaction 48:361
• Dehydration 16:325
• Denaturation 46:279
• Electroactive-Group 16:325
• Free-Energy 5:582
• Intracellular-Water 5:582
• Ionizing-Radiation 46:279
• Keratin 46:279
• Modulation 48:361
• Multilayer 48:361
• Na-K-ATPase 5:582
• Phosphatidyl-Serine 48:361
• Pyridoxal-Phosphate 16:325
Hydration–Dehydration-Equilibria 28:43
Hydration-Number 5:37
Hydrocarbon 31:99
Hydrocarbon/Water-Interface
• Adenine-Nucleotide 9:23
• ATP-Magnesium-Salt 9:31
• Binding 9:31
• Cetyltrimethylammonium-Bromide 9:23
• Hydrogen-Ion-Activity 9:31
• Interaction 9:23
• Model-Reaction 9:23, 9:31
• Nucleotide 9:23, 9:31
• Sorption 9:23, 9:31
Hydrodictyon-Reticulatum
• Alga-Suspension 9:509
• Alkalization 9:509
• Artificial 32:45
• Current-Induced-Voltage-Response 32:45
• Electron-Receptor 32:45
• Green-Alga 32:45
• Light 9:509
• Mathematical-Model 9:509
• Membrane 32:45
• Nonlinearity 32:45
Hydrogel-Membrane 37:125
Hydrogen-Bonded 46:15
Hydrogen-Evolution |Catalytic-» 3:253
Hydrogen-Ion-Activity 9:31
Hydrogen-Ionization 4:314
Hydrogen-Peroxide
• Alkanethiol 46:193
• Alkyl-Chain-Length 46:193
• Ammonia 6:205
• Amperometric-Detection 45:221
• Aromatic-Compound 26:277
• Biological-Model 9:527
• Catalytic-Reduction 46:193
• Conversion 26:277
• Direct-Electrochemistry 45:221
• Electrocatalytic-Reduction 39:139
• Horseradish-Peroxidase 45:221, 46:193
• In-Vivo 18:247
• Induction 18:247
• Iron-Induced-Calcium-Release 18:203
• Kinetics 26:277
• Light-Driven 18:71
• Mediated 46:193
• Membrane-Entrapped 45:221
• Metabolic-Production 18:247
• Metabolism 18:203
• Methylene-Blue 46:193
• Microperoxidase 39:139
• Modified-Carbon-Paste-Graphite-Electrode 39:139
• Oxyradical 18:03
• Peroxidase-Electrode 26:277
• Photoproduction 6:205
• Rat-Liver-Mitochondrium 18:203
• Reaction 18:03
• Selenium-Glutathione-Peroxidase 18:247
• Self-Assembled-Monolayer-Electrode 46:193
• Simultaneous 26:277
• Solar-Energy-Conversion 18:71
• Stimulation 18:247
• Thermodynamics 18:03
Hydrogen–Potassium-Exchange 43:129
Hydrogen-Potassium-Exchange
• ATP-Synthesis 9:459
• Dicyclohexylcarbodiimide 5:567
• Energy-Dependent 5:567, 8:597, 8:605, 9:459, 11:29, 17:183
• Escherichia-Coli 5:567, 8:597, 8:605, 9:459, 11:29
• Identification 8:597
• Lactobacillus-Salivarius 17:503
• Mechanism 9:459
• Potassium-Accumulation 5:567, 8:597, 8:605, 9:459, 11:29
• Potassium-Uptake 17:183
• Reversal 9:459
• Salmonella-Typhimurium 17:183
• Sensitive 5:567
• Stoichiometry 5:567
• Structure 8:605
• Transport-System 11:29
• Unc-Mutant 11:29
Hydrogen-Potassium-Pump 6:315
Hydrogenase
• Alcaligenes-Eutrophus 28:473
• Bioelectrocatalysis 4:314
• Catalyst 4:314
• Direct-Electron-Transfer 28:473
• Glassy-Carbon-Electrode 28:473
• Hydrogen-Ionization 4:314
• H_2-Electrooxidation 12:267
• Immobilized 12:267
• Mechanism 12:267
Hydrolase 7:11
Hydrolysable-Compound 1:14
Hydrolysis
• Antineoplastic-Drug 44:51
• DNA 44:51
• Estazolam 19:533
• Interaction 44:51
• Polarography 19:533
• Thiol-Form 44:51
• Thiotepa 44:51
• Triazolobenzodiazepine 19:533
Hydrolysis |Catalyzed-» 24:231
Hydrolytic-Activity
• Electrostatic-Interaction 36:53
• Phosphatidylcholine-Monolayer 34:93
• Phospholipase 34:93, 36:53
• Plant 34:93
• Polarized-Oil/Water-Interface 34:93, 36:53
• Streptomyces-SPP 34:93
Hydrolytic-Transformation 34:25
Hydrophilic-Pore 34:01
Hydrophobic 9:551
Hydrophobic-Anion 11:37
Hydrophobicity 40:35
Hydroxybutyrate 29:363
Hydroxyguanosine 43:105
Hydroxyl-Radical 45:123
Hydroxyproline 25:155
Hydroxypyrimidine 16:371
Hydroxyquinone-Derivative 17:523
Hyperpolarization 20:249
Hyperthermia 39:109
Hypothesis 31:323
Hypotonic-Hemolysis 11:353
Hysteresis-Loop 38:321
Identification
• Acceptor 14:425
• Bilayer-Lipid-Membrane 42:187
• Channel 42:187
• Electrochemical-Technique 42:187
• Energy-Dependent 8:597
• Escherichia-Coli 8:597
• Hydrogen-Potassium-Exchange 8:597
• Lipid-Like 14:425
• Magnetic-Field 30:265
• Membrane-Process 42:187
• Pi-Electron 14:425
• Potassium-Accumulation 8:597
• Reaction-Product 14:425
• Simulative-Experiment 14:425
• Welding-Machine 30:265
Image-Cytometry 9:645
Imidazole 6:337
Imine-Alcohol 9:273
Immiscibility 26:63
Immiscible-Electrolyte-Solution-Interface 7:61
Immobilization
• Amperometric-Sensor 39:303
• Biophysical-Mechanism 41:221
• Collagen-Membrane 16:149
• Composite-Membrane 39:303
• Enzymatic-Reaction 41:221
• Enzyme 16:149, 41:221
• Glucose 39:303
• Glucose-Oxidase 19:277, 39:303
• Lipid-Bilayer 41:221
• Metal-Support 41:221
• Poly-Vinyl-Alcohol 39:303
• Polypyrrole–Lecithin-Bilayer-Lipid-Membrane 19:277
• Polyvinylalcohol 16:149
• Regenerated-Silk-Fibroin 39:303
Immobilized
• Active-Diaphorase 29:337
• Alkaline-Phosphatase 10:427, 16:205
• Amperometry 16:05
• ATR-IR-Spectroscopy 47:39
• Avidin–Biotin-Interaction 41:127
• Bacteria 16:05
• Bacterial-Photosynthetic-Membrane 41:127
• Carbon-Paste-Electrode 28:117
• Catechol-Phosphate 10:427
• Characterization 28:117
• Chemically-Modified-Platinum-Electrode 26:29
• Electrocatalytic-Oxidation 10:427
• Electrochemical-Regulation 16:205
• Electroconductive-Membrane 39:89
• Electrode-Surface 29:337
• Enzymatic-Redox-Reaction 13:233
• Enzyme 28:117
• Escherichia-Coli 37:77
• Extracellular-Release 39:89
• FAD 47:39
• Flavoprotein 13:233
• FMN 47:39
• Fragile 28:117
• Glucose-Oxidase 8:703
• Graphite-Electrode-Surface 13:233
• Hydrogenase 12:267
• H_2-Electrooxidation 12:267
• Inhibition 8:703
• Kinetic-Model 16:05
• Mechanism 12:267
• Metal-Ion 8:703
• Microalga 39:89
• Monitoring 37:77
• Multilayer 41:127
• Orientation 41:127
• Osmotic-Shock 39:89

- Photoelectrochemical-Cell 22:391
- Photoelectrochemical-Effect 26:29
- Photosynthetic-Membrane 22:391
- Polyacrylamide-Gel 8:703
- Preparation 28:117, 41:127
- Reaction-Center 26:29
- Recombinant-Gene-Product 39:89
- Redox-Mediated 37:77
- Rhodobacter-Sphaeroide 26:29
- Selective-Electrode 16:05
- Solid-Surface 41:127
- Supported-Carbon-Fibre 47:39
- Titanium-Dioxide 47:39
- Titanium-Dioxide-Modified 47:39
- Vapor-Phase 37:77

Immobilized-Gel 38:53
Immuno-Ion-Selective-Electrode 28:459
Immunocompetent 43:279
Immunodeficient 43:279
Immunoglobulin
|Human-» 4:242
Immunogold 38:389
Immunological-Characterization 38:35
Immunological-Method 25:295
Immunological-Reaction 36:145
Immunomodulating-Effect 30:327
Impedance 36:161
Impedance-Analysis 42:213
Impedance-Measurement 5:699
Impedance-Spectroscopy
- Biological-Tissue 45:157
- Cancerous-Breast-Tissue 45:161
- Cancerous-Tissue 45:169
- Cell-Cycle 45:139
- Discrimination 45:161
- Experiment 45:139
- Extraction 45:157
- Information 45:157
- Interface 40:79
- Living-Tissue 45:145
- Membrane 40:79
- Monitoring 45:139
- Mouse 45:169
- Normal-Tissue 45:169
- Oral-Mucosa 45:157
- Organ 45:145
- Skin 45:157
- Theory 45:139
- Ultrastructure 40:79

Implantable 5:607
Implantable-Bone 5:232
Implication
- Alternating-Current-Field-Induced-Potassium-Chloride-Leakage 22:255
- Bioelectromagnetics 35:127
- Commercial-Equipment 35:127
- Electrofusion 24:101
- Electropermeabilization 24:101
- Electrorotation 22:255
- Experiment 35:127
- Extremely-Low-Frequency-Magnetic-Field 35:127
- Generation 35:127
- Human-Erythrocyte 22:255
- Low-Ionic-Strength 22:255
- Membrane-Interface 24:101
- Structural-Force 24:101

In-111-Bleomycin-Complex 46:241
In-Situ
- BC-Complex 28:401
- Bilirubin 34:141
- Cell 44:141
- Circular-Dichroic-Spectroelectrochemistry 31:301
- Circular-Dichroism 34:141
- Electrocatalytic-Property 39:267
- Experiment 44:141
- Extremely-Low-Frequency-Electric-Field 44:141
- Fluorescence-Signal 44:141
- Horseradish-Peroxidase 39:267
- Human-Serum-Albumin 34:141
- Measurement 44:141
- Midpoint-Potential 28:401
- Photosynthetic-Bacteria 28:401
- Potentiometry 28:401
- Proton-Transport 28:401
- Scanning-Tunneling-Microscopy 39:267
- Significance 28:401
- Structure 39:267
- Tryptophan 31:301
- UV-Visible-Spectroelectrochemistry 34:141

In-Situ-Imaging 44:57
In-Vitro
- 50-Hz-Sinusoidal-Magnetic-Field 36:15, 44:121
- Alternating-Current-Polarography 11:425
- Amniotic-Membrane 9:517
- Antibiotics 21:161
- Antioxidant 18:219
- Artificial-Bilayer-Membrane 9:517
- Ascorbic-Acid 38:405
- Bacterial-Bioluminescence 46:227
- Binding 11:425
- Bioelectromagnetics 40:01
- Biological-Aspect 40:01
- Biological-Correlation 10:119
- Biological-Process 10:119
- Bose–Einstein-Coherent-State 41:39
- Calcium-Uptake 10:119, 25:437
- Carbon-Dioxide-Transport 27:487
- Carbonic-Anhydrase 27:487
- Cartilage-Matrix 37:25
- Cellular-Telephone 45:103
- Charged-Microbead 48:181
- Chemical-Correlation 10:119
- Chick-Small-Intestine 25:437
- Cloxacillin 11:425
- Comparative-Study 9:517
- Comparison 5:459, 21:161
- Conductivity 30:65
- Controlled-Current 13:15
- Controlled-Potential 13:15
- Cultured-Fibroblast 27:269
- Dielectric-Permittivity 30:65
- Direct-Current 5:459, 39:209
- DNA-Damage 45:103
- Dopamine 38:405
- Electrically-Mediated 47:129
- Electrochemical-Sensing 38:405
- Electrolysis 13:15
- Electromagnetic-Modulation 10:119
- Electron-Transport 9:517
- Electrophoretic-Adsorption 5:247
- Embryonal-Chick-Tibia 10:119
- Embryonic-Sensory-Ganglia 5:459
- Enhancement 25:437
- Epidermis 30:65
- Ex-Vivo 47:129
- Flavin 46:227
- Frohlich-Coherent-State 41:39
- GABA 27:487
- Gene-Transfer 47:129
- Glutathione 11:425
- Gram-Positive 21:161
- Green-Plant 17:325
- Growth-Factor 5:459
- Halobium 6:509
- High-Frequency-Magnetic-Field 37:25
- Homeostasis 27:487
- Human-Dermis 30:65
- Human-Epithelium 9:517
- Human-Erythrocyte 5:247, 23:129
- Human-Lymphocyte 36:15
- Human-Peripheral-Blood 44:121
- Human-Skin 27:269
- Human-Stratum-Corneum 48:181
- In-Vivo 13:15, 18:219, 35:121
- Interferon-Gamma 44:121
- Keratinocyte 39:209
- Kinetic-Model 23:129
- Laser-Interferometry 41:39
- Lipoic-Acid 21:161
- Low-Frequency-Electromagnetic-Field 27:269
- Low-Frequency-Electromagnetic-Pulse 25:437
- Low-Frequency-Static-Magnetic-Field 35:121
- Lung 27:269
- Macrolide 21:161
- Mediated-Electrochemical-Process 46:227
- Membrane/Electrolyte-Solution-Interface 23:129
- Millipore-Filter 9:517
- Minute-Level 5:459
- Model 27:487
- Molt-4-T-Lymphoblastoid-Cell 45:103
- Mononuclear-Cell 44:121
- Murine-Melanoma 47:129
- Nerve 5:459
- Organism 21:161
- Paracrystalline-Oligomer 41:39
- Permeabilization 47:129
- Phase-Control 41:39
- Photoelectrochemical-Model 17:325
- Photosynthesis 17:325
- Physical-Correlation 10:119
- Potentiometry 21:161
- Premature-Terminal-Differentiation 27:269
- Proliferation 30:151
- Quaternary-Ammonium-Cation-Transport 23:129
- Radical-Trapping 18:219
- Radiofrequency-Field 45:103
- Short-High-Voltage-Pulse 48:181
- Spark-Discharge 36:15
- Strong-Pulsed-Magnetic-Field 30:151
- Susceptibility 21:161
- Tensor 30:65
- Tetramethylammonium-Cation 5:247
- Transport 48:181
- Triaxial-Exposure-System 35:121
- Tumor-Cell 30:151
- Tumor-Necrosis-Factor-Alpha 44:121
- Urea 13:15
- Viologen-Polymer-Electrode 46:227
- Z-Scheme 17:325

In-Vivo
- Acetaminophen 12:193
- Antioxidant 18:219
- Architecture 47:333
- Audiofrequency-Dielectric-Property 47:325
- Bio-Membrane 17:519
- Bioelectrochemistry 27:99
- Brain 5:504
- Cadmium 26:403
- Carbon-Dioxide-Stress 39:115
- Carbon-Tetrachloride-Induced-Peroxidation 18:179
- Cell-Membrane 45:83
- Controlled-Current 13:15
- Controlled-Potential 13:15
- Controlled-Potential-Method 1:427
- Cultured-Cell 45:83
- Dielectric-Property 47:325
- Dopaminergic-Neuron 5:504
- Drug-Delivery 42:283
- Dynamic-Gamma-Camera 46:241
- Electric-Impedance 45:83
- Electrochemical-Information 5:504
- Electrochemically-Active-Substance 17:519
- Electroincorporation 42:283
- Electrolysis 13:15
- Electropermeabilization 46:241
- Electroporation 42:283
- Exponential-High-Voltage-Pulse 46:241
- Gene-Delivery 42:283
- Glioma-Bearing-Rat 46:241
- Halobium 6:525
- Hepatocyte-Tissue 47:333
- Hydrogen-Peroxide 18:247
- In-111-Bleomycin-Complex 46:241
- In-Vitro 13:15, 18:219, 35:121
- Induction 18:247
- Lampito-Mauritii 27:99
- Large-Molecule 42:283
- Lead-Uptake 27:99
- Lipid 18:179

- Low-Frequency-Static-Magnetic-Field 35:121
- Measurement 1:427, 17:519, 45:83
- Metabolic-Production 18:247
- Metabolism 5:504
- Microelectrode 12:193
- Modeling 47:333
- Monitoring 12:193
- Multifunctional-Microelectrode 39:115
- Multifunctional-Microelectrode-System 45:83
- Na-23 18:179
- Noninvasive-Approach 47:325
- Normal 46:241
- Open-Ended-Coaxial-Probe 47:325
- Oxidation 1:427
- Potassium-Response 39:115
- Pressure-Mediated 42:283
- Primate-Species 12:193
- Radical-Trapping 18:219
- Radiofrequency-Dielectric-Property 47:325
- Rat-Liver 47:325, 47:333
- Reduction 1:427
- Relaxation-Time 18:179
- Release-Process 5:504
- Selenium-Glutathione-Peroxidase 18:247
- Stimulation 18:247
- Storage 5:504
- Tobacco 45:83
- Transdermal-Delivery 42:283
- Translocated 26:403
- Translocation 17:519
- Triaxial-Exposure-System 35:121
- Ultramicroelectrode 21:95
- Urea 13:15
- Vacuole-Chara-Cell 26:403
- Voltammetry 12:193, 21:95, 26:403

Inactivation
- Activation 3:214
- Electron-Irradiation 48:441
- Electroporation 48:441
- Erythrocyte-Membrane 48:441
- Excitation-Inducing-Module 3:214
- Fixed-Charge 3:214
- Pore-Resealing 48:441

Incorporated
- Atomic-Force-Microscopy 38:137
- ATPase 42:241
- Biological-Activity 38:137
- Component 38:137
- Coupling 42:241
- Electrochemical-Process 42:241
- Fusion 38:137
- Gramicidin-Channel 42:213
- Impedance-Analysis 42:213
- Ion-Transport 42:213
- Liposome 38:137
- Proteoliposome 38:137
- Proton-Translocation 42:241
- Quartz-Crystal-Microbalance 38:137
- Solid-Substrate 38:137
- Solid-Supported-Lipid-Bilayer 42:213
- Supported-Lipid-Bilayer 42:241
- Surface-Plasmon-Resonance 38:137

Incorporation
- Activation-Kinetics 32:175
- Artificial-Membrane 32:175
- Bacteriorhodopsin 11:327
- Bilayer 26:321
- Bimolecular-Lipid-Membrane 11:327
- Bovine-Articular-Chondrocyte-Explant 44:127
- Cell 42:275
- Colicin 32:175
- Culture 44:127
- Cyclic-Voltammetry-Parameter 26:321
- Cytochrome 26:321
- Electropermeabilization 23:65
- Endocytotic-Like-Process 42:275
- Energetics 37:161
- Human-Cell-Grown-Monolayer 23:65
- Induction 42:275
- Interfacial-Electrochemistry 26:321
- Ionophore-Exchange 37:161
- Lipid-Bilayer-Modified-Electrode 26:321
- Low-Electric-Field 42:275
- Macromolecule 42:275
- Markov-Fractal-Model 32:175
- Monoclonal-Antibody 23:65
- Negative-Charge 26:321
- Proteoliposome 11:327
- Replication 44:127
- Sulfate 44:127
- Vesicle 42:275

Increase
- 100-Hz-Pulsed-Magnetic-Field 43:77
- Acidity 22:187
- Adaptation 29:185
- Bipolar-Electric-Pulse 46:285
- Cell 46:301
- Cell-Proliferation 43:77
- Coherence-Time-Effect 46:301
- Dextran-Supported-Electrofusion 38:383
- Efficiency 46:285
- Electric-Field 29:185
- Electromagnetic-Field 46:301
- Ferrioxamine-B 22:187
- HL-60-Cell 29:185
- Human-Lymphocyte 43:77
- Magnetic-Field 29:185
- Micronucleus-Frequency 43:77
- Ornithine-Decarboxylase 46:301
- Plating 46:285
- Protoplast 38:383
- Reduction-Potential 22:187
- Saccharomyces-Cerevisiae 46:285
- Transcript 29:185
- Treatment 46:285

Increased-Level 33:115
Independence-Principle 1:301
Indication 17:71
Indirect-Action 12:467
Individual-Cell
- Dielectrophoresis 17:549
- Experiment 17:549
- Macromolecule-Uptake 28:235
- Multiple-Pulse-Electroporation 28:235
- Saccharomyces-Cerevisiae 28:235

Indole
- Albino-Mice 45:47
- Damping 9:761
- Maximum-of-Oxygen 9:761
- Melanin 9:761
- Oxidation-Biochemistry 45:47
- Oxidation-Chemistry 45:47
- Oxidation-Product 45:47
- Polarography 9:761
- Quantitative-Determination 9:761

Indoleamine 33:75
Induced-Electric-Tension 19:315
Induction
- Active-Transport 12:73
- Artificial 12:73
- Bacteriophage 19:235
- Bone-Cell 13:49
- Calcium-Uptake 13:49
- Capacitive-Pulsed-Electrical-Stimulation 13:49
- Cell 42:275
- Cytoplasmic-Membrane 19:235
- Denervated-Limb 5:88
- Depolarization 19:235
- Direct-Current 5:88
- Electrochemical-Cell 22:145
- Endocytotic-Like-Process 42:275
- Enzyme-System 12:73
- Escherichia-Coli 19:235
- Hydrogen-Peroxide 18:247
- In-Vivo 18:247
- Incorporation 42:275
- Ion-Permeable-Channel 19:235
- Kinetics 22:145
- Low-Electric-Field 42:275
- Macromolecule 42:275
- Metabolic-Production 18:247
- Photocurrent 22:145
- Regeneration 5:88
- Salamander 5:88
- Selenium-Glutathione-Peroxidase 18:247
- Specific-Electric-Signal 12:73
- Stimulation 18:247
- Thylakoid 22:145
- Vesicle 42:275

Industrial-Membrane-Technology 17:121
Infected 12:555
Inflammation 14:39
Information 45:157
Information-Encoding 47:265
Information-Processing 41:59
Information-Source 1:293
Inhibition
- 835-MHz-Electromagnetic-Radiation 43:13
- Adherence 48:317
- Alternating-Current-Field 37:153
- Calcium-Ion 10:279
- Electrosorption 10:279
- Far-Field-Zone-Radiator 43:217
- Glucose-Oxidase 8:703
- Human-Astrocytoma-Cell-Line 43:13
- Human-Kidney-T1-Cell 30:111
- H^+-ATPase 37:153
- Immobilized 8:703
- Kluyveromyces-Marxianus 48:481
- Lactose-Uptake 48:481
- Lecithin-Monolayer 10:279
- Leukocyte 48:317
- Low-Frequency-Alternating-Electric-Field 48:481
- Metal-Ion 8:703
- Millimeter-Wave 43:217
- Morphological-Change 43:13
- Mouse-Peritoneal-Neutrophil 43:217
- Poly-ADP-Ribosylation 30:111
- Polyacrylamide-Gel 8:703
- Production 43:217
- Proliferation 43:13
- Protein 30:111
- Radiation 43:217
- Reactive-Oxygen-Species 43:217
- Sinusoidal-Magnetic-Field 48:317
- Strong-Static-Magnetic-Field 30:111

Inhibitor 20:223
Inhibitory-Effect 38:63
Inhomogeneous-Cross-Section 35:109
Initial-Intermediate 10:357
Initial-Potential 4:361
Initial-State 48:35
Injection 22:231
Injury 16:531
Inner-Layer 5:185
Inner-Monolayer 20:257
Inner-Surface-Potential 43:97
Inorganic-Cation 4:117
Inorganic-Ion
- Aqueous-Solution 3:284
- Charge-Pulse 11:37
- Competition 11:37
- Hydrophobic-Anion 11:37
- Lipid-Bilayer-Membrane 11:37
- Protein 3:284
- Ring-Disc-Electrode 3:284
- Small-Applied-Voltage 11:37
- Sulphur-Containing-Compound 3:284
- Thiol-Disulphide 3:284
- Thiol-Ester 3:284
- Transfer 11:37

Inorganic-Nitrogen 22:355
Inosine 4:389
Insect 9:103
Insect-Induced 37:55
Insect-Neuron 14:449
Insulin-Like 35:87
Integrated-Biosensor 27:121
Intensity
- Biological-Effect 28:279
- Bioluminescence 43:197
- Counterion 28:279
- Electric-Field-Effect 43:197
- Electrofusion 43:197
- Enhancement 43:197
- Lampito-Mauritii 43:197
- Low-Frequency-Low-Electric-Field 28:279
- Polarization 28:279

Intensity-Dependence 27:179
Intensity-Dependent 27:361

Interaction
• Absorbed 4:231
• Acetylcholine-Receptor-Channel 30:275
• Adenine-Nucleotide 9:23
• Adenosine 8:523
• Adsorbed-Layer 12:353
• Alamethicin 28:85
• Alternating-Current-Polarography 11:265
• Aminothiol 21:87
• Amoxycillin 20:125
• Amphiphilic-Molecule 39:227
• Ampicillin 10:395, 11:265
• Anaerobically-Grown-Cell 27:367
• Analog 42:123
• Anhydrous-Acetonitrile 17:339
• Antineoplastic-Drug 44:51
• Antitumor-Drug 45:33
• Aqueous-Solution 4:231
• Aromatic-Amino-Acid 8:569
• Artesunate 44:295
• ATPase 16:519
• Atrazin 31:179
• Bacterial-Cell 34:53, 45:93
• Bacterial-Membrane 12:593
• Beef-Heart 28:177
• Benzodiazepine 17:535
• Bilayer-Lipid-Membrane 42:123
• Bimolecular-Lipid-Membrane 34:19
• Biogenic-Substance 12:353
• Biomembrane 4:45
• Biophysical-Aspect 41:03
• Bovine-Serum-Albumin 10:441, 13:329
• Cadmium 8:287, 12:353, 29:91, 34:53
• Calcium-Channel 22:175
• Calmodulin-Antagonist 16:519
• Capacity-Minimization 34:19
• Carbonic-Anhydrase 48:463
• Cation 8:371, 38:161
• Cationic-Drug 15:497
• Cell 27:255
• Cellular-Level 41:03
• Cetyltrimethylammonium-Bromide 9:23
• Charged-Surface 7:317
• Chemiluminescence 27:53
• Cholate-Aggregate 29:91
• Cholesterol 8:371
• Collision-Frequency 35:33
• Comparison 16:519
• Complex 12:593, 27:367
• Contrast-Agent 46:205
• Copper 29:91
• Coulomb-Effect 4:45
• Covered 28:85
• Culture-Media 45:93
• Cytidine 8:523
• Cytochrome 28:177
• Cytochrome-Reductase 28:177
• Daunomycin 45:33
• Decarboxylating-Enzyme 48:463
• Dehydrogenase 29:363
• Dielectric-Study 21:87
• Dioleoyl-Phosphatidylcholine-Monolayer 39:227
• Dipalmitoyl-Phosphatidylcholine 21:87
• DNA 7:317, 21:87, 26:15, 44:51, 45:33
• Double-Helix 7:317
• Dynamics 41:03
• Electrochemical-Determination 3:528, 4:217
• Electrochemical-Evidence 10:395
• Electrochemical-Examination 8:523
• Electrogeneration 17:339
• Electrokinetics 4:231
• Electromagnetic-Field 16:561, 35:33, 38:161
• Electropermeabilization 47:113
• Endogenous-Alternating-Current-Field 41:53
• Endogenous-Force 35:33
• Energy-Dependent 27:367
• Erythrocyte-Membrane 38:427, 40:171
• Escherichia-Coli 27:367
• Ethidium 16:519
• Ethidium-Bromide 47:113
• Even-Harmonic-Tuning 38:161
• Experiment 16:561
• External-Signal 41:03
• Extremely-Low-Frequency-Field 30:93
• FAD 8:569
• Fluorescence-Change 47:113
• Fluorescent-Phospholipid 29:363
• Glutathione 10:395, 11:265, 20:125, 34:13
• Guanosine 8:523
• He-Ne-Laser 38:427
• Head-Group 19:557
• Hemin 44:295
• Human-Lymphocyte 16:561
• Human-Serum-Albumin 17:535
• Hydantoin 8:287
• Hydrocarbon/Water-Interface 9:23
• Hydrolysis 44:51
• Hydroxybutyrate 29:363
• H^+-ATPase 12:593, 27:367
• Internal-Oscillation 41:03
• Ion-Adsorption 35:33
• Ion-Cyclotron 38:161
• Ionic-Strength-Dependence 19:95
• Kinetic-Aspect 28:177
• Kinetic-Parameter 34:13
• Lead 26:15, 29:91
• Lecithin 8:371
• Lipid 15:497
• Lipid-Layer 4:231
• Liposome 12:217, 42:123
• Living-Cell 41:53
• Low-Level-2.45-GHz-Radiation 40:171
• Low-Level-Modulated-Radiofrequency-Radiation 47:247
• Magnetic-Resonance-Imaging 46:205
• Mammalian-Cell 47:113
• Manganese(II) 12:217
• Mechanism 35:33
• Melittin 28:85
• Membrane 47:113
• Mercury-Electrode 7:317, 12:353
• Mercury-Electrode-Surface 28:85
• Metallic-Silver-Surface 26:475
• Miconazole 16:519
• Microcalorimetry 20:125
• Microperoxidase 26:475
• Microtubule 41:53
• Microwave-Field 30:275
• Millisecond-Imaging 47:113
• Mitochondrial-Membrane 29:363
• Mixed-Lipid-Liposome 8:371
• Mixed-Monolayer 6:537
• Model 19:95
• Model-Reaction 9:23
• Modeling 41:03
• Molecular-Structure 39:227
• Molybdate-Ion 10:441, 13:329
• Monolayer 19:557
• Na-K-ATPase 47:247
• NAD 8:569
• Natural-Potassium-Ionophore 12:593
• Nesosteine 17:339
• Neuropeptide 42:123
• Nicardipine 34:13
• Nitro-Radical-Anion 34:13
• Nonthermal-Effect 30:93
• Nucleic-Acid 7:317, 19:95
• Nucleoside 8:523
• Nucleotide 9:23
• Odd-Harmonic-Tuning 38:161
• Panosialin 46:151
• Permeability 19:557
• pH-Dependence 7:317
• Phosphatidic-Acid 12:217
• Phosphatidyl-Choline 6:537
• Phosphatidyl-Serine 6:537
• Phospholipid-Monolayer 46:205
• Planar-Lipid-Bilayer 46:151
• Plasmamembrane 16:519
• Polarography 8:287, 17:535, 20:125, 29:91
• Potassium-Accumulation 27:367
• Potassium-Channel 4:45
• Potassium-Efflux 16:519
• Potential-Dependence 7:317
• Preparation 4:231
• Protein 19:95
• Protein-Kinase-C 28:85
• Prothrombin 6:537
• Pure-Phospholipid-Monolayer 28:85
• Radiation 38:427
• Red-Cell-Membrane 5:417, 27:53
• Resonance-Theory 38:161
• Silver 26:475
• Simulation 19:95
• Smooth-Muscle-Cell 22:175
• Sodium–Calcium-Antiporter 22:175
• Solution 45:33
• Sorption 9:23
• Spectrophotometry 21:87
• Spectroscopy 26:15
• Spinach-Thylakoid-Membrane 15:497
• Spread-Lipid-Monolayer 3:528, 4:217
• Strontium-Uptake 16:519
• Structural-Change 7:317
• Structural-Dynamics 6:537
• Structure 3:528, 4:217, 4:231, 19:557
• Submitochondrial-Particle 28:177
• Succinimide 8:287
• Sulfolipid 31:179
• Superoxide-Ion 17:339
• Surface 45:33
• Surface-Active 12:353
• Surface-Active-Substance 34:19
• Theory 16:561
• Thiol-Compound 27:53
• Thiol-Form 44:51
• Thiotepa 44:51
• Thylakoid-Membrane 31:179
• Time-Course 40:171
• Trans-Sobrerol 17:339
• Transmembrane-Ionic-Flux 30:93
• Trk-Protein 27:367
• Ubiquinol 28:177
• Unidirectional-Flux 4:45
• Voltammetry 26:15, 34:53
• Weak-Electromagnetic-Field 27:255, 41:03
• Weak-Light-Emission 45:93
• Wet-Acetonitrile 17:339
• Yeast 16:519
Interaction-Force 41:181
Interaction-Site 17:383
Interbilayer-Interaction 45:203
Intercellular-Communication 45:55
Intercellular-Substance 4:166
Interconversion 10:413
Interdisciplinary-Survey 8:507
Interface
• Adsorbed 12:15
• Chlorophyll 12:15
• Impedance-Spectroscopy 40:79
• Mechanism 12:15
• Membrane 40:79
• Photooxidation 12:15
• Ultrastructure 40:79
• Water-Sensitized 12:15
Interfacial-Accumulation 16:395
Interfacial-Behavior
• Adsorption 9:541
• Anti-Metabolite 9:541
• Antitumor-Drug 21:199
• Bacteriostatic-Action 9:541
• Benzenesulfonamide-Derivative 12:543
• Benzoic-Acid-Derivative 12:543
• Cathodic-Reduction 3:328
• Charged-Interface 16:497
• Cisplatin 21:199
• Comparative-Study 38:359
• Complex 21:199
• Cytidine-Monophosphate 7:705
• Cytidine-Triphosphate 7:705
• Globular-Protein 3:328
• Guanosine-Diphosphate 16:497
• Guanosine-Monophosphate 16:497
• Guanosine-Triphosphate 16:497
• Mercury/Solution-Interface 9:541, 12:543, 21:199
• Molecular-Framework 12:543
• Mononucleotide 7:705
• Nucleic-Acid 7:267
• Nucleic-Acid-Base 38:359
• Oligonucleotide 7:705
• PABA 9:541

- Para-Aminobenzoic-Acid 9:541
- pH 6:165
- Polarography 7:267
- Solution 16:497
- Substituent 12:543
- Theory 12:543
- Thio-Group 38:359
- Trideoxyribonucleotide 21:199
- Uracil 6:165
- Varying-pH 16:497
- Voltammetry 7:705

Interfacial-Bioelectrochemistry 16:361
Interfacial-Charge 16:273
Interfacial-Electrochemistry 26:321
Interfacial-Electron-Transfer 26:307
Interfacial-Inhomogeneous-Region 12:105
Interfacial-Interaction 41:209
Interfacial-Ion-Transport 4:209
Interfacial-Orientation 3:418
Interfacial-Proton-Flow 13:171
Interfacial-Reaction 4:137
Interfacial-Tension
- Cell-Membrane 46:199
- Charged-Lipid-Bilayer-Polylysine-Complex 6:305
- Curvature 6:305
- Modeling 46:199
- Two-Component-Bilayer-Lipid-Membrane 46:199

Interfacing 38:255
Interference 45:73
Interferon-Gamma 44:121
Interferon-Gamma-Release 44:243
Interferon-Like 25:183
Interleukin-10
- Electroporation 41:227, 47:03
- Gene-Expression 47:03
- Human-Monocytic-Cell-Line 41:227
- Stimulation 41:227

Interleukin-6-Release 44:243
Intermediate
- Ascorbic-Acid 32:277
- Electrochemical-Oxidation 9:273
- Glucoside 32:277
- Imine-Alcohol 9:273
- Oxidation 32:277
- Pulse-Radiolysis 32:277
- Spectroelectrochemical-Evidence 9:273
- Uric-Acid 9:273

Intermediate-Form 41:107
Intermembrane-Communication 41:47
Intermembrane-Contact 21:179
Intermittent-Exposure 39:215
Intermittent-Noise 44:237
Internal-Mode 16:63
Internal-Oscillation 41:03
Internodal-Cell
- Chara-Corallina 17:131, 17:165
- Chlorophyll 17:165
- Dinitrophenol 17:165
- Fluorescence 17:165
- Low-Level-Transient 17:131
- Membrane-Impedance 17:131
- Membrane-Potential 17:165
- Membrane-Resistance 17:165
- pH 17:165

Interrelation 45:181
Intervention 9:265
Intracellular
- Cell-Membrane 15:447
- Electric-Potential 1:208
- Energetics 15:447
- Enzyme-System 15:447
- Epithelial-Cell 1:208
- Rabbit-Gallbladder 1:208
- Sequence 15:447
- Transductive-Coupling 15:447

Intracellular-Calcium 46:161
Intracellular-Potential 33:67
Intracellular-Potential-Change 32:133
Intracellular-Store 42:197
Intracellular-Water
- Free-Energy 5:582
- Hydration 5:582
- Microscopic-Viscosity 5:574
- Na-K-ATPase 5:574, 5:582

Intramembrane-Field 26:131
Intramembrane-Interaction 8:581
Intramembrane-Sector 17:147
Intramolecular-Electron-Transfer
- FAD 7:749
- NAD 5:601
- NMR 7:749
- Spectroscopy 5:601, 7:749
- Theory 5:601, 7:749

Intramolecular-Single-Stranded-Region 7:671
Inward-Current-Channel 1:350
Iodide-Ion 12:137
Iodine-Effect 2:124
Iodoacetyl-Biotinylhexylenediamine 39:309
Ion
- Amino-Acid-Transport-System 12:467
- Cellulose-Membrane 3:189
- Cytochrome 3:189
- Facilitated-Diffusion 3:189
- Indirect-Action 12:467
- S37-Cell 12:467

Ion-Activation 24:51
Ion-Adsorption 35:33
Ion-Binding 43:239
Ion-Binding-Membrane 15:173
Ion-Carrier 31:161
Ion-Channel
- Cell-Membrane 34:157
- Control 42:193
- Electromediated-Permeabilization 34:157
- Frog-Skeletal-Muscle 34:157
- Gated 16:341
- Glass-Patch-Pipette 12:329
- Lipid-Bilayer-Membrane 12:329
- Memory 42:193
- Molecular-Mechanism 16:341
- Reconstitution 12:329
- Surface-Compartment-Model 13:93
- Voltage-Gated 34:157

Ion-Channel |Calcium-Induced-» 45:173
Ion-Channel-Function 40:197
Ion-Concentration-Dependence 38:149
Ion-Conductance-Change 13:429
Ion-Conductor 24:263
Ion-Cyclotron 38:161
Ion-Density-Profile 9:117
Ion-Distribution 13:473
Ion-Dynamics 35:71
Ion-Exchange
- Adsorbed 3:15
- Energy-Dependent 8:17
- Kinetics 3:15
- Protein-Film 3:15
- Stoichiometry 8:17
- Streptococcus-Faecalis 8:17

Ion-Flux 16:559
Ion-Gate-Response
- Alkaline-Earth-Ion 29:113, 39:135
- Calcium-Ion 29:103
- Cysteine-Containing-Dipeptide-Monolayer 39:135
- Glutathione 29:103, 29:113
- Gold-Electrode 29:103, 29:113, 39:135
- Monolayer-Assembly 29:103, 29:113
- pH 29:103
- Potassium-Ion 29:103

Ion-Interaction 32:181
Ion-Motive-ATPase 38:45
Ion-Movement
- Calculation 8:327, 8:339
- Donnan-Potential 8:327, 8:339
- Electrolyte 8:327, 8:339
- Light-Induced-Donnan-Potential 8:327
- Light-Induced-Surface-Potential 8:339
- Surface 8:327, 8:339
- Thylakoid-Membrane 8:327, 8:339

Ion-Pair 13:419
Ion-Pair-Formation 19:29
Ion-Permeability
- 15-Membered-Peptaibol-Type-Antibiotics 44:155
- Ampuliosporin 44:155
- Artificial-Bilayer-Membrane 44:155
- Bergofungin 44:155
- Lipid-Bilayer-Membrane 7:487
- Lipid-Membrane 13:255
- Membrane-Potential 7:487
- Modulation 13:255
- Surface-Aggregate 13:255

Ion-Permeable-Channel 19:235
Ion-Permeation 41:197
Ion-Pump-Mechanism 38:275
Ion-Release
- Alamethicin 24:323
- Analog 29:315
- Large-Unilamellar-Vesicle 24:323
- Melittin 24:323
- Pardaxin 29:315
- Vesicle 29:315

Ion-Selective 7:363
Ion-Selective-Microelectrode 7:231
Ion-Selective-Sensor 5:699
Ion-Translocation-Effect 3:230
Ion-Transport
- Active-Pumping 26:251
- Biological-Material 14:105
- Biomembrane 4:30
- Electroconformational-Coupling 26:251
- Electrophysiology 15:383
- Gramicidin-Channel 42:213
- Impedance-Analysis 42:213
- Incorporated 42:213
- Isolated-Human-Amnion 11:389, 15:383
- Low-Frequency-Pulsed-Magnetic-Field 14:105
- Membrane 1:378
- Monolayer-Adsorbed-Electrode 1:466
- Oscillating-Electric-Field 26:251
- Oscillatory-Phenomena 1:466
- pH 11:389
- Polyvalent-Cation 11:389
- Potassium-Channel 4:30
- Rectification 26:251
- Solid-Supported-Lipid-Bilayer 42:213
- Temperature-Effect 15:383
- Theory 1:378

Ion/Ligand-Binding 48:27
Ionic-Channel 29:289
Ionic-Composition 24:215
Ionic-Composition-Change 16:455
Ionic-Composition-Dependence 19:127
Ionic-Conductance 5:204
Ionic-Equilibria 17:223
Ionic-Influence 7:345
Ionic-Ligand |Large-» 19:77
Ionic-Ligand |Small-» 19:77
Ionic-Phenomena 1:217
Ionic-Selectivity 12:517
Ionic-Strength
- DNA 4:476
- Electric-Potential-Profile 32:305
- Electrode-Reaction 4:476
- Enzyme 20:291
- Erythrocyte-Membrane 32:305
- Membrane 32:305
- Microemulsion 20:291
- Outer-Surface-Charge 32:305
- Simple-Model 32:305
- Solubilization 20:291
- Water-in-Oil 20:291

Ionic-Strength |Low-» 22:255
Ionic-Strength-Dependence 19:95
Ionic-Transfer 1:329
Ionic-Transport
- Artificial-Biomembrane 3:474
- EIS-Study 47:343
- Gramicidin-Channel 47:343
- Liposome 47:343
- Temperature-Dependence 47:343

Ionic-Transport-Process 10:345
Ionization-Potential 46:15
Ionizing-Radiation
- Denaturation 46:279
- Electroinduced-Pore 42:179
- Hydration 46:279
- Keratin 46:279
- Kinetics 42:179
- Membrane-Modification 42:179
- Probe 42:179

Ionophore
- Amperometry 28:459
- Biotin-Aza-Crown-6 28:459

- Chemically-Driven 20:223
- Detergent 12:367
- Human-Erythrocyte-Membrane 12:367
- Immuno-Ion-Selective-Electrode 28:459
- Inhibitor 20:223
- Proton-Pump 20:223
- Secondary-Reaction 20:223
- Tetramethylammonium-Cation 12:367
- Transport-Kinetics 12:367
- Triton 12:367
- Uncoupler 20:223

Ionophore-Exchange 37:161
Iron 36:165
Iron(II)-Ion 22:231
Iron(III)-Complex 10:493
Iron(III)-Ion-Catalyzed 36:47
Iron-Containing 38:397
Iron-Containing-Complex 3:589
Iron-Coproporphyrin-III-Complex 10:477
Iron-Corrosion 38:185
Iron-Ion 36:47
Iron-Metabolism 18:105
Iron-Oxidizing-Bacterium
- Batch-Culture 39:83
- Chemiosmotic-Proton-Circuit 43:115
- Electromotive-Force 39:83
- Kinetics 43:115
- Thiobacillus-Ferrooxidans 43:115

Iron-Porphyrin
- Axial-Coordination 1:108
- Dimethylformamide 1:108
- Electrochemical-Effect 1:108
- Electrode-Kinetics 2:184
- Redox-Behavior 1:108

Iron-Protein 26:123
Iron-Sulfur-Protein
- Bound 2:93
- Brdicka-Wave 7:187
- Circular-Dichroism 2:93
- Electron-Paramagnetic-Resonance-Spectroscopy 2:93
- High-Potential 7:187
- Monitoring 2:93
- Potentiometric-Titration 2:93
- Soluble 2:93

Irradiation
- Biochemical-Property 8:315, 10:185
- He-Ne-Laser 10:185
- High-Peak-Power-Ruby-Laser 8:315
- Low-Power-HeNe-Laser 8:315
- NADH 8:315
- Optical-Property 8:315, 10:185
- Rat-Liver-Mitochondrium 10:185

Ischemia 45:151
Ischemic-Brain-Edema 18:307
Iso-Electrofusion 48:423
Isolated 38:35
Isolated-Area 1:515
Isolated-Cell 36:77
Isolating-Component 37:91
Isolation 40:159
Isomer 28:417
Isomeric-HCN 4:98
Isotonic-Solution 34:189
Isotonic-Unbuffered-Media
- Cationic-Ionophore 17:223, 17:231
- Equilibrium 17:231
- Human-Erythrocyte 17:231
- Human-Erythrocyte-Suspension 17:223
- Ionic-Equilibria 17:223
- Membrane-Potential 17:231
- Model 17:223
- Osmotic-Equilibria 17:223
- Potassium-Chloride 17:223, 17:231
- Sodium-Chloride 17:223, 17:231
- Sucrose 17:223, 17:231
- Suspension 17:231
- Triton 17:231

Jagged-Microarray-Electrode 34:199
Janus-Green-Modified-Electrode 24:23
Junction-Potential 14:479
Jurkat-Cell 43:169
Keratin
- Bone 46:29
- Comparison 46:29
- Denaturation 46:279
- Dielectric-Relaxation 46:29
- Hydration 46:279
- Ionizing-Radiation 46:279

Keratinocyte 39:209
Keto–Enol-Equilibria 28:43
Kidney-T1-Cell |Human-» 30:111
Killing-Efficiency 39:195
Kinetic-Aspect 28:177
Kinetic-Characterization 11:51
Kinetic-Model
- Amperometry 16:05
- Bacteria 16:05
- Belousov–Zhabotinsky-System 13:287
- Bioelectrochemical-Fuel-Cell 6:493
- Depolarization-Type 6:493
- Electrochemical-Methodology 13:287
- Human-Erythrocyte 23:129
- Immobilized 16:05
- In-Vitro 23:129
- Membrane/Electrolyte-Solution-Interface 23:129
- Oscillating-System 13:287
- Quaternary-Ammonium-Cation-Transport 23:129
- Selective-Electrode 16:05

Kinetic-Parameter
- Albumin-Adsorption 25:241
- Electrochemical-Determination 29:19
- Electrochemical-Impedance-Measurement 25:241
- Glassy-Carbon 25:241
- Glutathione 34:13
- Interaction 34:13
- Mushroom-Tyrosinase 29:19
- Nicardipine 34:13
- Nitro-Radical-Anion 34:13
- Physical-Significancy 25:241

Kinetic-Stage
- Arbitrary-Number 6:81
- Bilayer-Lipid-Membrane 6:71, 6:81
- Defect 6:81
- Electric-Breakdown 6:71, 6:81
- Membrane 6:81
- Single-Defect-Membrane 6:71

Kinetically-Controlled 19:137
Kinetics
- 60-Hz-Magnetic-Field 43:01
- Acetylcholine–Acetylcholine-Receptor-Hysteresis 20:45
- Active-Transport 31:271, 40:239
- Activity 31:271, 40:239
- Adsorbed 3:15
- Anion-Equilibration 15:67
- Aromatic-Compound 26:277
- Biocatalytic-Current 10:385
- Bioeffective 48:27
- Biological-Effect 12:259
- Biological-Redox-Process 2:26
- Blood 3:01
- Cell-Electroporation 32:237
- Cell-Membrane 26:01
- Channel 24:297
- Charge-Recombination 38:25
- Chemiosmotic-Proton-Circuit 43:115
- Chloride-Ion 15:67
- Choline-Oxidase 46:39
- Chronoamperometry 12:575
- Clostridium-Pasteurianum 12:575
- Cluster 12:575
- Cofactor-Shuttle 31:271
- Compaction 4:464
- Conversion 26:277
- Copper 36:165
- Cyclocytidine 34:25
- Cytarabine 34:25
- Cytochrome 1:389, 3:596, 21:55
- Cytochrome-Oxidase 1:389, 3:596
- Deuterium-Isotope-Effect 23:141
- Direct-Bioelectrochemical-Monitoring 46:39
- DNA 4:464
- Electric-Charge-Transport 1:364
- Electric-Field-Effect 32:99
- Electrochemical-Cell 22:145
- Electrochemical-Model 16:245
- Electrochemical-Property 27:501
- Electrode-Surface 4:464
- Electroinduced-Pore 42:179
- Electromagnetic-Signal 12:259
- Electromegnetic-Field-Signal 48:27
- Electron-Driven 31:271, 40:239
- Electroporation 26:01
- Energetics 1:389, 12:259
- Enzyme 40:239
- Enzyme-Reaction 31:271
- Evolution 31:271, 40:239
- Experiment 32:237
- Ferredoxin 12:575
- Ferrocyanide–Ferricyanide-Reaction 27:501
- G3P/DHAP-Shuttle 40:239
- Gene-Expression 43:01
- Generation 10:385
- Glucose-Oxidase 33:55
- Gramicidin 24:297
- Group-A-Streptococcus 7:513
- Heme-Protein 1:389
- Heterogeneous-Electron-Transfer 7:447
- Human-Cell-Line 43:01
- Human-Erythrocyte 15:67, 32:237
- Hydrogen-Peroxide 26:277
- Hydrolytic-Transformation 34:25
- Induction 22:145
- Ion-Exchange 3:15
- Ion-Translocation-Effect 3:230
- Ion/Ligand-Binding 48:27
- Ionizing-Radiation 42:179
- Iron 36:165
- Iron-Oxidizing-Bacterium 43:115
- Langmuir–Blodgett-Nanostructure 46:39
- Lanthanum 3:230
- Leukocyte 3:01
- Lipid 24:143
- Liposome 24:143, 24:297
- Low-Concentration 15:67
- Mechanism 1:364, 27:449, 32:99
- Mediated 27:449, 32:99
- Membrane-Entrapped 21:55
- Membrane-Fusion 32:99
- Membrane-Modification 42:179
- Methylviologen 12:575
- Mixed-Monolayer-Assembly 27:501
- Model 31:271, 40:239
- Modified-Gold-Electrode 27:501
- NAD 31:271
- NADH 31:271
- Organogel 38:25
- Oriented-NA-DNA-Fibre 1:364
- Oxidative-Phosphorylation 16:245
- Performance 33:45
- Permeability-Change 24:143
- Peroxidase-Electrode 26:277
- Peroxide-Formation 7:513
- pH-Dependence 23:141
- Phase-Transition 24:143
- Phosphate-Containing-Media 15:67
- Phospholipid 38:25
- Photocurrent 22:145
- Photoinduced-Electron-Transfer 27:449
- Photosynthetic-Reaction-Center 38:25
- Photosystem-II 23:141
- Planar-Lipid-Bilayer 27:449
- Polar-Head-Group 27:501
- Polarography 36:165
- Pore 26:01, 32:237
- Potentiometric-Control 2:26
- Prediction 48:27
- Probe 42:179
- Protein-Film 3:15
- Proton-Driven 31:271, 40:239
- Proton-Translocation 3:393
- Redox-Potential-Gradient 31:271, 40:239
- Redox-Reaction 31:271, 40:239
- Reduction 12:575
- Resealing 26:01
- Rotating-Disc-Electrode 33:55
- Rubidium-Uptake 3:230
- Scanning-Curve 20:45
- Simultaneous 26:277
- Soluble 33:55
- Spectroelectrochemical 1:389

- Spectroelectrochemistry 3:596
- Sperm 7:447
- Stacked-Metallotriporphyrin 27:449
- Stoichiometry 1:389
- Superoxide-Dismutase 36:165
- Surface-Charge 3:230
- Thermodynamic-Constraint 3:01
- Thiobacillus-Ferrooxidans 43:115
- Third-Generation-Biosensor 33:45
- Thylakoid 22:145
- Thylakoid-Membrane 3:393
- Transduction 12:259
- Two-Site-Mediated 3:230
- Volume-Change 24:143
- Water-in-Oil 38:25
- Waveform-Parameter 48:27
- Whale-Myoglobin 7:447
- Yeast-Cell 3:230
- Zinc 36:165

Kluyveromyces-Marxianus 48:481
Laccase 6:393
Lactate-Ion-Concentration 25:131
Lactate-Secretion 8:25
Lactobacillus-Plantarum 17:217
Lactobacillus-Salivarius 17:503
Lactoperoxidase 15:407
Lactose-Uptake 48:481
Lactuca-Stolonifera-Leaf 21:343
Laminar-Flow 2:351
Lampito-Mauritii
- Activated-Bioluminescence 22:231
- Bioelectrochemistry 27:99
- Bioluminescence 43:197
- Calcium-Ion 15:341
- Celomic-Cell 40:59
- Celomocyte 24:249
- Differential-Pulse-Voltage-Bioluminescence 28:213, 32:211
- Electric-Field-Effect 43:197
- Electrobioluminescence 15:341, 17:105, 19:09, 22:219
- Electrofusion 43:197
- Enhancement 43:197
- Excited-State 19:09, 24:249
- Extracted-Cell 22:219
- Glucose-Activated-Bioluminescence 40:59
- Glucose-Assay 40:59
- In-Vivo 27:99
- Injection 22:231
- Intensity 43:197
- Iron(II)-Ion 22:231
- Lead-Uptake 27:99
- Oscillatory-Bioluminescence 24:249
- Oxygen-Controlled-Production 24:249
- Parallel-Mechanism 19:09
- Pulsed-Direct-Current-Electrolysis 24:249
- Quenched-Cell 28:213
- Secretory-Difference 17:105
- Segmentary-Electron-Input 17:105

Langevin–Lorentz-Model 28:355
Langmuir–Blodgett-Film 34:135
Langmuir-Blodgett-Film 44:37
Langmuir–Blodgett-Nanostructure 46:39
Lanthanum
- Cerium(III) 12:475
- Chelation 12:475
- Cytidine 12:475
- Cytosine 12:475
- Electrically-Induced-Dedifferentiation 5:177
- Frog-Erythrocyte 5:177
- Ion-Translocation-Effect 3:230
- Kinetics 3:230
- Phosphate 12:475
- Rubidium-Uptake 3:230
- Surface-Charge 3:230
- Thorium(IV) 12:475
- Two-Site-Mediated 3:230
- Uranium(VI) 12:475
- Yeast-Cell 3:230

Laplace-Plane-Analysis 16:361
Laplacian-ECG 47:231
Large-Conductance
- Culture 36:77
- Epithelial-Cell 36:23
- Epithelium 36:77
- Gallbladder 36:77
- Guinea-Pig 36:77
- Guinea-Pig-Gallbladder 36:23
- Isolated-Cell 36:77
- Localization 36:77
- Potassium-Channel 36:23, 36:77
- Primary-Cell 36:77
- Regulation 36:23

Large-Molecule
- Drug-Delivery 42:283
- Electro-Incorporation 38:209
- Electroincorporation 42:283
- Electroporation 42:283
- Gene-Delivery 42:283
- In-Vivo 42:283
- Microcarrier-Method 38:209
- Pressure-Mediated 42:283
- Transdermal-Delivery 38:209, 42:283

Large-Volume
- Anchorage-Dependent-Strain 19:49
- Cell-Culture 19:49, 19:59
- Cell-Growth 19:59
- Electrofusion 19:49, 19:59
- Suspension 19:59

Larmor-Precession
- Bioeffect 43:239
- Bound-Water-Molecule 43:239
- Detection 30:03
- Dynamical-System 43:239
- Ion-Binding 43:239
- Mechanism 30:03
- Model 43:239
- Orientation 43:239
- Static-Alternating-Magnetic-Field 30:03
- Weak-Magnetic-Field 43:239

Laser |Low-Power-» 32:155
Laser-Flash-Absorption-Spectroscopy 28:205
Laser-Flash-Photolysis 39:263
Laser-Interferometry 41:39
Laser-Therapy |Photodynamic-» 27:19
Latency 8:269
Lateral-Eye 45:111
Latex-Particle-Matrix |Uniform-» 29:159
Laticifer 48:135
Lead
- Alternating-Current-Polarography 13:365
- Bone 13:365
- Cadmium 29:91
- Cholate-Aggregate 29:91
- Copper 29:91
- DNA 26:15
- Filter-Paper 8:275
- Interaction 26:15, 29:91
- Micro-Sample-Analysis 8:275
- Polarography 29:91
- Porous-Thin-Layer 8:275
- Spectroscopy 26:15
- Voltammetry 26:15

Lead-Uptake 27:99
Leaf-Cell 33:67
Leaf-Membrane 5:52
Lecithin
- Alternating-Current-Polarography 7:459
- Bienzymatic-Electrode 47:25
- Cation 7:459, 8:371
- Charge-Transfer 7:459
- Cholesterol 8:371
- Electrosorption 7:459
- Food-Product 47:25
- Homologous 7:459
- Interaction 8:371
- Mixed-Lipid-Liposome 8:371
- Model-Membrane 7:459
- Organic-Phase 47:25
- Polypyrrole–Lecithin-Bilayer-Membrane 22:69
- Sucrose 22:69

Lecithin-Monolayer 10:279
Lectin 19:315
Lectin-Binding 35:49
Lepidopterous-Pupae 33:165
Leukaemia 48:171
Leukemia-Cell |Human-» 36:33
Leukemia/Lymphoma 44:279
Leukemic-Cell 36:39
Leukocyte
- Adherence 48:317
- Blood 3:01
- Inhibition 48:317
- Kinetics 3:01
- Sinusoidal-Magnetic-Field 48:317
- Thermodynamic-Constraint 3:01

Lewis-Acid
- Adsorption 5:526
- Electrochemical-Reduction 5:388
- Glassy-Carbon-Electrode 5:526
- NAD 5:388
- Oxidation 5:526
- pH 5:526

LiCl-H_2O-Solution 5:285
Lifetime
- Approximation 6:53
- Bilayer-Lipid-Membrane 6:53
- Calculation 6:53
- Density-Operator 30:35
- Diffusion 6:53
- Electric-Breakdown 6:53
- Ligand-Binding 30:35
- Membrane 6:53
- Modeling 30:35
- Steady-State 6:53

Lifetime-Distribution-Function 6:89
Ligand
- Complex-Formation 9:627, 9:639
- Copper-Phenanthroline-Complex 9:627, 9:639
- Electrode-Behavior 9:627, 9:639
- Electromagnetic-Effect 28:355
- Hemin 1:23, 1:525
- Langevin–Lorentz-Model 28:355
- Nitrogen-Donor-Atom 9:627, 9:639
- Organic-Media 1:23, 1:525
- Oxygen-Donor-Atom 9:627, 9:639
- Pi-Acid 9:627, 9:639
- Receptor-Binding 28:355
- Redox-Property 1:23, 1:525
- Secondary-Ligand 9:627, 9:639
- Solution 9:627, 9:639
- Ternary-Complex 9:627, 9:639
- Zeeman-Model 28:355

Ligand-Binding
- Acoustic-Exposure 44:215
- Bioelectrochemical-Effectiveness 44:215
- Density-Operator 30:35
- Lifetime 30:35
- Low-Intensity 44:215
- Modeling 30:35

Light
- Acid–Base-Energy 23:105
- Alga-Suspension 9:509
- Alkalization 9:509
- Electric-Response 32:27
- Electricity 14:29
- Hydrodictyon-Reticulatum 9:509
- Mathematical-Model 9:509
- Modulation 32:27
- Paraelectricity 14:29
- Photochromic-Membrane 32:27
- Photosynthesis 23:105
- Primordial 14:29
- Redox-Energy 23:105
- Sequential-Transduction 23:105

Light-Absorption 47:297
Light-Dependent 29:305
Light-Driven
- Bacteriorhodopsin 36:61
- Electric-Oscillation 36:61
- Hydrogen-Peroxide 18:71
- Lipid-Impregnated 36:61
- Modulation 36:61
- Porous-Membrane-Filter 36:61
- Proton-Pump 36:61
- Solar-Energy-Conversion 18:71

Light-Emission 19:21
Light-Energy-Conversion 38:333
Light-Energy-Transduction 3:371
Light-Induced-Swelling 46:71
Light-Reaction 1:408
Light-Scattering
- Actomyosin 6:135
- Cellular-Work 6:123, 6:135
- Measurement 6:123, 6:135
- Performance 6:123, 6:135
- Plectonema-Boryanum 48:237

- Sarcoplasmic-Reticulum 6:123
- Spheroplast 48:237
- Surface-Charge-Density 48:237
- Vesicle 6:123
- Water 6:123, 6:135

Light-Scattering-Change 32:77
Light-Transduction 5:318
Lignosulfonate 38:367
Limb 8:661
Limb-Regeneration 3:99
Linear-Dependence 9:419
Linear-Equation 21:33
Linoleic-Acid
- Active-Oxygen 18:171
- Alcohol-Containing 18:163
- Aqueous-Solution 18:163
- Ascorbic-Acid 18:163, 18:171
- Catalyzed 18:171
- Degraded-Species 18:171
- Palmitoyl-Derivative 18:163
- Peroxidation 18:163, 18:171

Lipid
- Amperometric-Biosensor 34:123
- Association-Constant 9:489
- Carbon-Paste 34:123
- Carbon-Tetrachloride-Induced-Peroxidation 18:179
- Cationic-Drug 15:497
- Charged-Membrane/Water-Interface 26:63
- Cytochrome 34:123
- Domain-Structure 48:311
- Drug 9:489
- Electromagnetic-Field 48:311
- Enzyme 34:123
- Glycolipid-Containing-Bilayer 26:63
- Immiscibility 26:63
- In-Vivo 18:179
- Interaction 15:497
- Kinetics 24:143
- Liposome 24:143
- Mixed-Membrane 48:311
- Model-Membrane 9:489
- Monolayer 9:489
- Na-23 18:179
- Oscillation 48:311
- Permeability-Change 24:143
- Phase-Transition 24:143
- Relaxation-Time 18:179
- Spinach-Thylakoid-Membrane 15:497
- Structure 26:63
- Theory 26:63
- Volume-Change 24:143

Lipid-Bilayer
- Anisotropy 38:117
- Biophysical-Mechanism 41:221
- Breakdown 8:581
- Calcium-ATPase/Lipid-Reconstituted-System 38:117
- Cell-Membrane 7:723
- Channel-Protein 12:341
- Cholera-Toxin-Complex 22:365
- Conductance 2:01
- Cyclic-Voltammetry 27:381
- Direct-Current-Voltage 31:99
- Divalent-Cation 11:145
- Electric-Characteristics 26:493
- Electrostriction 31:99
- Enzymatic-Reaction 41:221
- Enzyme 41:221
- Ferredoxin 27:381
- Fluidity 42:59
- Fluorescein 38:117
- Fluorescence 38:117
- Fluorescent-Probe-Induced-Change 26:493
- Ganglioside 22:365
- Gramicidin 19:127
- High-Electric-Field 7:723
- Hydrocarbon 31:99
- Immobilization 41:221
- Immobilized-Glucose-Oxidase 42:59
- Intramembrane-Interaction 8:581
- Ionic-Composition-Dependence 19:127
- Lipid-Bilayer-Film-Electrode 42:59
- Lipid-Monolayer 22:365
- Mechanical-Characteristics 26:493
- Mediated-Electron-Transfer-Reaction 42:59
- Merocyanin-540 26:493
- Metal-Support 41:221
- Modified-Electrode 27:381
- Permeability 22:365
- Permeability-Coefficient 19:127
- Phosphatidylethanol-thiocarbamide 38:117
- Reconstituted-Anion-Channel 44:183
- Reconstitution 12:341
- Red-Blood-Cell-Membrane 19:127
- Regulation 42:59
- Relaxation 7:723
- Solid-Support 31:99
- Solvent 31:99
- Sonicated-Vesicle 11:145
- Structure 22:365
- Torpedo-Electroplax 12:341
- Tracer-Determined 19:127
- Transversal-Perturbation 11:145
- TTFB 2:01
- Tuning 42:59
- Virtually-Solvent-Free 12:341
- Voltage–Current-Relationship 2:01

Lipid-Bilayer |Solid-Supported-» 42:213
Lipid-Bilayer |Supported-»
- ATPase 42:241
- Bilayer-History 37:61
- Coupling 42:241
- Electric-Property 37:61
- Electrochemical-Process 42:241
- Incorporated 42:241
- Mechanical-Property 37:61
- Potential-Dependence 37:61
- Proton-Translocation 42:241
- Solvent-Redistribution 37:61
- Surface-Potential 37:61

Lipid-Bilayer-Film-Electrode 42:59
Lipid-Bilayer-Membrane
- Bioenergetics 15:19
- Charge-Pulse 11:37
- Competition 11:37
- Glass-Patch-Pipette 12:329
- Hydrophobic-Anion 11:37
- Inorganic-Ion 11:37
- Interfacial-Bioelectrochemistry 16:361
- Ion-Channel 12:329
- Ion-Permeability 7:487
- Laplace-Plane-Analysis 16:361
- Membrane-Potential 7:487
- Reconstitution 12:329
- Redox-Reaction 15:19
- Small-Applied-Voltage 11:37
- Transfer 11:37

Lipid-Bilayer-Modified-Electrode
- Bilayer 26:321
- Cyclic-Voltammetry-Parameter 26:321
- Cytochrome 25:447, 26:321
- Incorporation 26:321
- Interfacial-Electrochemistry 26:321
- Negative-Charge 26:321
- Reduction 25:447

Lipid-Bilayer-Polylysine-Complex |Charged-» 6:305
Lipid-Coated-Electrode 23:217
Lipid-Hydroperoxide 18:257
Lipid-Impregnated
- Alternating-Current-Impedance 38:343
- Bacteriorhodopsin 36:61
- Electric-Oscillation 36:61
- Light-Driven 36:61
- Membrane-Filter 38:343
- Modulation 36:61
- Porous-Membrane-Filter 36:61
- Proton-Pump 36:61
- Time-Dependent 38:343
- Variation 38:343

Lipid-Layer 4:231
Lipid-Like 14:425
Lipid-Like-Structure 14:429
Lipid-Membrane
- H^+-Transport 19:359
- Ion-Permeability 13:255
- Model 19:359
- Modulation 13:255
- OH^--Transport 19:359
- Passive-Transport 19:359
- Surface-Aggregate 13:255

Lipid-Membrane |Solid-Supported-» 47:47
Lipid-Modified 23:167
Lipid-Monolayer
- Cholera-Toxin-Complex 22:365
- Ganglioside 22:365
- Lipid-Bilayer 22:365
- Permeability 22:365
- Quinone 4:263
- Redox-Kinetics 4:263
- Structure 22:365

Lipid-Monolayer |Spread-»
- Electrochemical-Determination 3:528, 4:217
- Interaction 3:528, 4:217
- Structure 3:528, 4:217

Lipid-Peroxidation
- Aldehyde 18:187
- Brain 18:211
- Cellular-Membrane 18:187
- Endotoxin-Shock 18:295
- Ethanol 18:211
- Free-Radical-Scavenger 18:295
- Mitochondrial-Damage 18:211
- Reaction 18:187
- Toxicity 18:187

Lipid-Peroxide 18:127
Lipid-Swelling 19:323
Lipid–Water-Interaction 2:339
Lipid/Protein-Ratio 5:369
Lipidic-Site 17:277
Lipoic-Acid
- Antibiotics 17:43, 21:161
- Bacterial-Activity 9:699
- Bacterial-Growth 12:81, 12:93
- Bactericidal-Efficacity 12:93
- Beta-Lactam 17:43
- Comparison 21:161
- Computer-Simulation 9:679
- Culture 9:679, 9:699
- Drug 9:699, 12:93
- Electrode-Reaction 10:269
- Escherichia-Coli 9:679, 9:699
- Evolution-Time 9:679, 9:699
- Experiment 17:43
- Gold-Electrode 9:679, 9:699
- Gram-Positive 21:161
- In-Vitro 21:161
- Macrolide 21:161
- Mathematical-Modeling 9:679
- Microbial-Culture 12:81, 12:93, 17:43
- Model 9:699
- Modeling 17:43
- Organism 21:161
- Potential 12:81
- Potential-Time-Signal 17:43
- Potentiometry 12:81, 12:93, 17:43, 21:161
- Reduction 12:81, 12:93, 17:43
- Susceptibility 21:161
- Time-Signal 12:81
- Zero-Current-Potential 9:679, 9:699

Lipoperoxidation-Index 18:117
Lipophilic 39:295
Lipophilic-Anion 42:263
Lipophilic-Ion 14:439
Lipoprotein
- Characteristics 29:277
- Culture-Medium 29:277
- Electrochemical-Parameter 14:449
- Energy-Transduction 14:449
- Insect-Neuron 14:449
- Low-Density 29:277
- Naphthoquinone 14:449
- Oxidizing-Ability 29:277
- Receptor 14:449
- Repellent 14:449

Liposome
- Adsorption 17:277
- Aminoacridine 17:277
- Analog 9:79, 42:123
- Artificial-Membrane 9:79
- Atomic-Force-Microscopy 38:137
- Bacteriorhodopsin 9:197
- Bilayer-Lipid-Membrane 42:123
- Biological-Activity 38:137
- Channel 24:297
- Chlorophyll 9:79
- Component 38:137
- EIS-Study 47:343
- Fusion 38:137
- Gramicidin 24:297
- Gramicidin-Channel 47:343
- Gramicidin-Exchange 26:395
- Incorporated 38:137
- Interaction 12:217, 42:123
- Ionic-Transport 47:343

- Kinetics 24:143, 24:297
- Lipid 24:143
- Lipidic-Site 17:277
- Manganese(II) 12:217
- Neuropeptide 42:123
- Permeability-Change 24:143
- Phase-Transition 24:143
- Phosphatidic-Acid 12:217
- Photo-Electrochemical-Property 9:79
- Photobiological-Conversion 9:197
- Proteoliposome 38:137
- Proton-Pump-Activity 9:197
- Quartz-Crystal-Microbalance 38:137
- Reconstituted 9:197
- Solar-Energy 9:197
- Solid-Substrate 38:137
- Spectral-Property 9:79
- Surface-Charge-Density 17:277
- Surface-Plasmon-Resonance 38:137
- Temperature-Dependence 47:343
- Volume-Change 24:143

Liposome |Mixed-Lipid-» 8:371
Liposome |Proteo-» 16:55
Liposome-Formation 19:323
Liquid-Crystal |Polyphasic-» 41:81
Liquid-Crystalline-Property 22:45
Liquid-Enzyme-Electrode 17:399
Liquid-Membrane 33:159
Liquid-Membrane |Supported-» 20:109
Liquid-Membrane-System
- Generation 19:291
- Mechanism 19:291
- Membrane-Potential 17:193, 19:291, 19:301
- Nonlinear-Response 17:193
- Peak 19:291, 19:301
- Perturbation 17:193
- pH-Jump 17:193, 19:291, 19:301
- Potential 19:301
- Potential-Spike 19:291
- Relaxation 19:301
- Spike 19:291
- Theory 19:301
- Transient-Peak 17:193

Liver
- Antioxidative 18:231
- Bile-Secretion 19:67
- Capacity 18:231
- Electric-Field 19:67
- Functionality 19:67
- Physical-Exercise 18:231

Liver-Microsome 4:500
Living-Cell
- Bioanalytical-Application 44:89
- Biotechnology 20:133
- Central-Nervous-System 48:343
- Coulter-Counter 6:349
- Dielectric-Spectroscopy 40:133
- Electric-Breakdown 6:349
- Electric-Current 20:133
- Electric-Field 20:133
- Electromagnetic-Field 48:261
- Endogenous-Alternating-Current-Field 41:53
- Evolution 48:343
- Experiment 48:261
- Homogeneous-Electrical-Field 6:349
- Interaction 41:53
- Measurement 48:261
- Microelectronic-Sensor 48:261
- Microtubule 41:53
- Model 6:349
- Particle 6:349
- Potential-Use 20:133
- T-Shanghaiensis 44:89
- Voltammetry 44:89

Living-Cell-Surface 46:115
Living-Matter 48:321
Living-System 18:29
Living-Tissue
- Deposition 30:27, 35:103
- Electromagnetic-Energy 30:27, 35:103
- Impedance-Spectroscopy 45:145
- Moment-Method 30:27, 35:103
- Numerical-Approach 35:103
- Organ 45:145
- Overconstrained 30:27
- Prediction 35:103

Local-Behavior 2:293
Local-Transport-Region 47:151
Localization 36:77
Localization-Pattern 27:513
Localized 48:17
Loligo-Forbesii 5:754
Long-Lived 19:397
Long-Lived-Alteration 38:129
Long-Range 19:77
Long-Range-Interaction 48:329
Long-Term-Measurement 32:145
Longevity |Programmed-Increased-» 11:373
Longitudinal-Study 30:195
Loosening 14:161
Low-Concentration
- Amine 12:63
- Anion-Equilibration 15:67
- Carboxylic-Ionophore 12:63
- Chloride-Ion 15:67
- Chloroplast 12:63
- Human-Erythrocyte 15:67
- Kinetics 15:67
- Phosphate-Containing-Media 15:67
- Phosphorylation-Potential 12:63
- Phosphorylation-Rate 12:63
- Photophosphorylation 12:63
- Proton-Motive-Force 12:63
- Uncoupler-Induced-Stimulation 12:63

Low-Density 29:277
Low-Frequency
- Alternating-Current-Field 44:95
- Amplitude 44:95
- Cellular-Oscillator 22:01
- Growth-Stimulation 44:95
- Physical-Principle 22:01
- Plasma-Membrane 44:95
- Pollen-Tube 44:95
- Proton-Pump 44:95
- Quincke-Rotation 22:01
- Stimulation 44:95

Low-Frequency-Alternating-Current 9:229
Low-Frequency-Field 46:161
Low-Frequency-Impedance 48:163
Low-Frequency-Region 38:321
Low-Impedance 7:363
Low-Intensity
- Acoustic-Exposure 44:215
- Bioelectrochemical-Effectiveness 44:215
- Biophysical-Aspect 27:11
- Genetic-Effect 27:11
- Ligand-Binding 44:215
- Millimeter-Wave 27:11

Low-Level-2.45-GHz-Radiation 40:171
Low-Level-Millimeter-Radiation 27:405
Low-Level-Transient 17:131
Low-Molecular-Weight 32:267
Low-Negative-Region 26:211
Low-Potential
- Cytochrome 17:297
- Electron-Transferring-Protein 9:743
- Mercury-Electrode 9:743

LPB-Sarcoma 43:279
Luciferin 41:205
Lucigenin 44:77
Luminescence |Ultraweak-» 27:57
Lung
- Cultured-Fibroblast 27:269
- Differential-Pulse-Polarography 15:89
- Formaldehyde 15:89
- Human-Skin 27:269
- In-Vitro 27:269
- Low-Frequency-Electromagnetic-Field 27:269
- Premature-Terminal-Differentiation 27:269
- Surfactant 15:89, 20:287

Lung-Fibroblast 47:97
Lycopersicon-Esculentum 5:152
Lymphocyte 43:221
Lymphocyte |Human-Normal-» 14:115
Lymphocyte |Human-»
- 100-Hz-Pulsed-Magnetic-Field 43:77
- 50-Hz-Sinusoidal-Magnetic-Field 36:15
- Cell-Proliferation 43:77
- Electromagnetic-Field 16:561
- Experiment 16:561
- In-Vitro 36:15
- Increase 43:77
- Induced-Electric-Tension 19:315
- Interaction 16:561
- Lectin 19:315
- Low-Frequency-Pulsing-Electromagnetic-Field 19:315
- Micronucleus-Frequency 43:77
- Response-Change 19:315
- Spark-Discharge 36:15
- Theory 16:561

Lymphocyte–Lymphocite-Interaction 5:168
Lymphoma-Cell |Human-» 46:263
Lysis 20:169
Macrolide 21:161
Macromolecular-Dynamics 13:419
Macromolecular-Uptake 20:57
Macromolecule
- Cell 42:275
- Electrochemical-Property 2:43
- Endocytotic-Like-Process 42:275
- Enzyme 2:43
- Incorporation 42:275
- Indirect-Electrolysis 1:87
- Induction 42:275
- Low-Electric-Field 42:275
- Mediator 1:87
- Pteridone 1:87
- Vesicle 42:275
- Water-Solution 2:43

Macromolecule-Uptake 28:235
Macrophage 38:415
Magnesium-Chloride 39:101
Magnesium-Ion
- Addition 46:249
- Aqueous-Solution 8:137
- Calcium-Ion 22:37, 46:249
- Chemiluminescence 22:37
- Electrochemical-Measurement 46:249
- Escherichia-Coli 46:249
- Ethylenediaminetetraacetic-Acid 46:249
- Glucose-Dehydrogenase 46:249
- Phagocyte-Induced-Electroporation 22:37
- Pyrroloquinoline 46:249
- Quinone 46:249
- Structure-Breaking-Ion 8:137
- Structure-Promoting-Ion 8:137

Magnetic-Field
- Activation 27:45
- Adaptation 29:185
- Amplitude 33:19
- Bioelectrical-Effect 14:131
- Bioelectrical-Parameter 37:39, 37:47
- Bone-Formation 35:87
- Cell-Coat 39:31
- Cell-Free 43:07
- Cell-Response 33:19
- Correlation 33:19
- Culture-Medium 39:31
- Cytochrome-Oxidase 46:139
- Electric-Field 14:131, 29:185, 33:19
- Electromagnetic-Field 37:39
- Escherichia-Coli 43:07
- Extremely-Low-Frequency-Magnetic-Field 39:21, 39:27, 39:31
- Fibroblast 39:21, 39:31
- Fibroblast-Culture 39:21, 39:27, 39:31
- Fluctuation 33:19
- Free-Radical-Process 39:27
- Frequency-Dependence 42:231, 46:139
- Function 42:231
- Glycosaminoglycan 39:31
- Growth-Factor 35:87
- HeLa-Extract 43:07
- Helix-Pomatia 37:39, 37:47
- Hemophilic-Arthropathy 14:175

- Hemophilic-Myopathy 14:175
- High-Frequency-Electromagnetic-Field 37:39, 37:47
- HL-60-Cell 29:185
- Identification 30:265
- Increase 29:185
- Insulin-Like 35:87
- Metabolism 39:31
- Na-K-ATPase 42:231
- Nerve-Cell 37:39, 37:47
- Phagocyte 27:45
- Plasma-Membrane 33:19
- Regulation 35:87
- Static-Magnetic-Field 39:21, 39:27, 39:31
- Stimulation 14:131
- Transcript 29:185
- Transcription 43:07
- Vineyard-Snail 37:39, 37:47
- Vital-Function 39:21
- Weak-Low-Frequency-Pulsed-Electromagnetic-Field 37:39, 37:47
- Welding-Machine 30:265

Magnetic-Field |50-Hz-Sinusoidal-»
- Electric-Property-Change 36:39
- Human-Lymphocyte 36:15
- Human-Peripheral-Blood 44:121
- In-Vitro 36:15, 44:121
- Interferon-Gamma 44:121
- Leukemic-Cell 36:39
- Membrane 36:39
- Mononuclear-Cell 44:121
- Spark-Discharge 36:15
- Tumor-Necrosis-Factor-Alpha 44:121

Magnetic-Field |50-Hz-»
- 50-Hz-Electric-Field 39:119
- Bone-Marrow 39:119
- C-Mitotic-Effect 26:335
- Cadmium 39:119
- Cell-Proliferation 30:143
- Chinese-Hamster-Cell 26:335
- Chromosome-Aberration 36:01
- Cofactor 43:55
- Cultured-Mammalian-Cell 30:143
- Cyclic-AMP 30:143, 43:51, 43:55
- Electric-Field 30:143
- Extracellular-Calcium 43:51
- Flux-Density 43:51
- Growth-Related-Enzyme 36:01
- Human-Amniotic-Cell 36:01
- Jurkat-Cell 43:169
- Ornithine-Decarboxylase 36:01, 43:169
- Polyamine 43:169
- Primed-Cell 43:55
- Prostaglandin 43:55
- Retinoic-Acid 43:55
- Serum-Free-Medium 43:55
- SV40-3T3-Cell 43:51
- Tumor-Cell 39:119

Magnetic-Field |60-Hz-Alternating-Current-» 43:83

Magnetic-Field |60-Hz-»
- Anchorage-Independent 34:39, 39:175
- Block 36:33
- C-myc-Transcript-Level 36:33
- Cell-Growth 34:39, 39:175
- Cr-Tuned 32:67
- Cytochrome-Oxidase 45:253
- Early-Growth 32:67
- Electric-Noise 36:33
- Enhancement 34:39, 36:33, 45:253
- Flux-Density 39:175
- Gene-Expression 43:01
- Human-Cell-Line 43:01
- Human-Leukemia-Cell 36:33
- Humoral-Responsiveness 24:371
- Kinetics 43:01
- Magnetic-Noise 36:33
- Mouse 24:371
- Raphanus-Sativus 32:67
- Sprouting 32:67
- Steady-State 36:33

Magnetic-Field |Alternating-»
- Experiment 14:39
- Frequency 44:271
- Inflammation 14:39
- Primary-Root-Growth-Rate 44:271
- Rat 14:39
- Zea-Mays-Seedling 44:271

Magnetic-Field |Controlled-» 14:23

Magnetic-Field |Extremely-Low-Frequency-Variable-» 35:29

Magnetic-Field |Extremely-Low-Frequency-»
- Bioelectromagnetics 35:127
- Biological-Interaction 25:01
- Calcium-Measurement 46:129
- Catecholamine-Type-Messenger 46:297
- Cell-Coat 39:31
- Cell-Proliferation-Change 40:193
- Chromaffin-Cell 46:297
- Chronic-Exposure 38:173
- Commercial-Equipment 35:127
- Culture-Medium 39:31
- Differentiation 46:297
- Electromagnetic-Noise 40:193
- Experiment 35:127
- Extremely-Low-Frequency-Electric-Field 25:01
- Female 38:173
- Fibroblast 39:21, 39:31
- Fibroblast-Culture 39:21, 39:27, 39:31
- Free-Radical-Process 39:27
- Generation 35:127
- Genotoxic-Effect 36:09
- Glycosaminoglycan 39:31
- Harderian-Gland 30:203
- Histopathology 30:203
- Implication 35:127
- Magnetic-Field 39:21, 39:27, 39:31
- Metabolism 39:31
- Microvessel-Tissue 14:197
- Minimizing-Effect 40:193
- Modification 14:197
- Mouse 38:173
- Ratio-Change 46:297
- Reproductive-System 38:173
- Resonant 36:09
- Rodent 30:203
- Signaling-Pathway 46:129
- Static-Magnetic-Field 39:21, 39:27, 39:31
- T-Cell-Activation 46:129
- Vital-Function 39:21

Magnetic-Field |High-Frequency-» 37:25

Magnetic-Field |High-»
- Bacillus-Subtilis 43:123
- Biosystem 43:123
- Deoxygenated 47:297
- Enhancement 48:383
- Escherichia-Coli 48:383
- Human-Hemoglobin 47:297
- Light-Absorption 47:297
- Measurement 43:123
- Stationary-Phase-Specific 48:383
- Superconducting-Magnet 43:123
- Transcription-Activity 48:383

Magnetic-Field |Homogeneous-» 27:305

Magnetic-Field |Inhomogeneous-» 30:181

Magnetic-Field |Low-Amplitude-Swept-Frequency-» 35:19

Magnetic-Field |Low-Frequency-Low-Intensity-»
- Cancer-Treatment 27:347
- Chronic-Low-Back-Pain 14:187
- Double-Blind-Study 14:187
- Senile-Degenerative-Arthritis 14:187
- Treatment 14:187

Magnetic-Field |Low-Frequency-Pulsating-»
- Chronic-Benign-Pain 14:241
- Osteoporosis 14:169
- Peripheral-Arteriopathy 14:207
- Treatment 14:169, 14:241

Magnetic-Field |Low-Frequency-Static-» 35:121

Magnetic-Field |Low-Frequency-»
- Gene-Expression 31:167
- Low-Frequency-Electric-Field 31:167
- Na-K-ATPase 38:267
- Saccharomyces-Cerevisiae 31:167

Magnetic-Field |Low-Level-Athermic-Extremely-Low-Frequency-» 27:281

Magnetic-Field |Pulsating-» 14:225

Magnetic-Field |Radiofrequency-» 37:05

Magnetic-Field |Sinusoidal-» 48:317

Magnetic-Field |Static-Alternating-» 30:03

Magnetic-Field |Static-»
- Calcium-Dependence 35:57
- Cell-Coat 39:31
- Culture-Medium 39:31
- Drosophila-Melanogaster 36:95
- Enzyme 35:57
- Erythrocyte 36:101
- Erythrocyte-Membrane 35:49
- Extremely-Low-Frequency-Magnetic-Field 39:21, 39:27, 39:31
- Fibroblast 39:21, 39:31
- Fibroblast-Culture 39:21, 39:27, 39:31
- Free-Radical-Process 39:27
- Genetic-Effect 36:95
- Glycosaminoglycan 39:31
- Lectin-Binding 35:49
- Magnetic-Field 39:21, 39:27, 39:31
- Metabolism 39:31
- Modulation 35:57
- Mutagen-Sensitive-Mutant 36:95
- Myosin 35:57
- Phosphorylation 35:57
- Preparation 35:57
- Rheology 36:101
- Somatic-Cell-Test 36:95
- Vital-Function 39:21

Magnetic-Field |Strong-Constant-» 27:513

Magnetic-Field |Strong-Static-»
- Human-Kidney-T1-Cell 30:111
- Inhibition 30:111
- Mouse-Tumor-Cell 40:29
- Poly-ADP-Ribosylation 30:111
- Proliferative-Metastatic-Activity 40:29
- Protein 30:111

Magnetic-Field |Transient-» 46:121

Magnetic-Field |Weak-Extremely-Low-Frequency-» 47:207

Magnetic-Field |Weak-Low-Frequency-Sinusoidal-Direct-Current-» 30:119

Magnetic-Field |Weak-Static-» 43:233

Magnetic-Field |Weak-»
- Bioeffect 43:239
- Bound-Water-Molecule 43:239
- Dynamical-System 43:239
- Ion-Binding 43:239
- Ion-Dynamics 35:71
- Larmor-Precession 43:239
- Mechanism 35:71
- Model 43:239
- Modulation 35:71
- Orientation 43:239
- Potential-Well 35:71
- Thermal-Noise 35:71

Magnetic-Field-Effect |External-Transverse-» 5:285

Magnetic-Noise 36:33

Magnetic-Particle 46:121

Magnetic-Pulsation |Extremely-Low-Frequency-» 14:71

Magnetic-Resonance-Imaging 46:205

Magnetic-Susceptibility 30:43

Magnetoliposome 32:187

Magnetophysiology 14:23

Magnetotherapy 14:219

Magnitude 46:161

Maize-Plant
- 130-Day-Old 10:405
- Biomass 9:15
- Dielectric-Characteristics 9:15
- Dielectric-Property 10:405
- Root-System-Tissue 10:405

Malate-Lactate-Dehydrogenase 34:169

Malic-Acid 24:241

Malic-Enzyme 24:241

Mammalian-Cell
- Alternating-Current-Field 17:287
- Bioanalytical-Application 45:247
- Cosmid 21:355
- DNA 21:355
- Electropermeabilization 47:113
- Electroporation 21:355
- Ethidium-Bromide 47:113
- Fluorescence-Change 47:113
- Interaction 47:113
- Membrane 47:113
- Millisecond-Imaging 47:113
- Morphological-Response 33:121
- Photoelectric-Behavior 45:247
- Plasmid 21:355
- Pulsed-Alternating-Current-Field 33:121

Mammalian-Cell |Cultured-» 30:143
Mammalian-Cell-Cycle 39:167
Mammalian-Sensory-Neuron 42:197
Mammalian-Spinal-Cord 3:582
Mammalian-Tumor-Cell 48:217
Manganese(II)
- Base 19:441
- Complexation 19:441
- Helical-Transition 19:441
- Interaction 12:217
- Liposome 12:217
- Nickel 19:441
- Nitella-Cell 7:405
- Paramagnetic-Ion 7:405
- Paramagnetic-Resonance 7:405
- Phosphatidic-Acid 12:217
- Polarography 19:441
- Stacking-Interaction 19:441
- Water-Exchange 7:405

Manganese-Cobalt-Complex 48:53
Marine-Bacteria 27:191
Markov-Fractal-Model 32:175
Mass-Lysis 46:59
Mass-Transfer-Phenomena 10:213
Mastectomy-Operation 14:219
Mathematical-Model 9:509
Mathematical-Model |Simplified-» 47:11
Mathematical-Modeling 9:679
Matrix 22:241
Maxwell–Wagner-Conductivity 22:135
Mean-Activity-Coefficient
- Cell-Suspension 6:03, 6:11
- Colloid-Disperse-System 6:03, 6:11
- Electrolyte 6:03, 6:11
- Measurement 6:03, 6:11
- Measuring-Principle 6:03
- pH 6:03, 6:11
- Sodium-Chloride–Human-Serum-Albumin-Solution 6:11
- Transference-Number 6:03, 6:11

Measurement
- Actomyosin 6:135
- Amperometry 13:199
- Aqueous-Electrolyte-Solution 38:191
- Atomic-Force-Microscopy 38:191
- Bacillus-Subtilis 43:123
- Bio-Membrane 17:519
- Biological-Sample 37:05
- Biomagnetic-Field 37:51
- Biosystem 43:123
- Blood-Flow 12:03
- Brain 7:231
- Calcium-Magnesium-Ion-Binding 4:87
- Calculation 13:199
- Calibration-Graph 13:199
- Carbon-Paste-Electrode 48:163
- Catalyst-Binder 8:115
- Cell 44:141
- Cell-Membrane 45:83
- Cell-Suspension 6:03, 6:11
- Cellular-Work 6:123, 6:135
- Chloroplast-Spread 7:167
- Colloid-Disperse-System 6:03, 6:11
- Combined-Effect 39:109
- Comparative-Analysis 33:11
- Controlled-Potential-Method 1:427
- Cultured-Cell 45:83
- Current-Injection 3:614
- Cyclic-AMP 4:87
- Detector 13:199
- Development 8:115, 37:51
- Double-Layer-Capacitance 48:163
- Electric-Impedance 45:83
- Electric-Property 37:05
- Electrically-Excitable-Cell 3:614
- Electroarteriography 12:03
- Electrochemical-Impedance 10:213
- Electrochemically-Active-Substance 17:519
- Electrode 8:115
- Electrolyte 6:03, 6:11
- Electromagnetic-Field 48:261
- Enzyme-Reactor 13:199
- Experiment 44:141, 48:261
- Extremely-Low-Frequency-Electric-Field 44:141
- Fast-Cyclic-Voltammetry 38:289
- Fast-In-Flux-Procedure 40:181
- Ferrocyanide 10:213
- Fibroblast 39:109
- Flow-Injection-Analysis 13:199
- Fluorescence-Signal 44:141
- Fluorescent-Dye 21:333
- Frequency-Domain-Dielectric-Spectrometer 11:15
- Glucose 8:115
- Growth-Medium-Parameter 40:181
- Heptane/Water-Interface 7:167
- High-Magnetic-Field 43:123
- Human-Skin 39:109
- Hyperthermia 39:109
- Immobilized-Dehydrogenase 13:199
- In-Situ 44:141
- In-Vivo 1:427, 17:519, 45:83
- Intact-Adipocyte 21:333
- Ion-Selective-Microelectrode 7:231
- Junction-Potential 14:479
- Light-Scattering 6:123, 6:135
- Living-Cell 48:261
- Low-Frequency-Impedance 48:163
- Magnetic-Susceptibility 30:43
- Mass-Transfer-Phenomena 10:213
- Mean-Activity-Coefficient 6:03, 6:11
- Measuring-Principle 6:03
- Membrane-Electrode 4:87
- Membrane-Potential 14:479
- Membrane-Potential-Change 21:333
- Membrane-Resistance 3:614
- Membrane-Surface-Potential 33:11
- Microelectronic-Sensor 48:261
- Model 10:213
- Modeling 48:163
- Multifunctional-Microelectrode-System 45:83
- NADH 13:199
- Nanosecond-Range 7:167
- Nerve 3:614
- Neurotransmitter 38:289
- Noninvasive-Technique 12:03
- Organic-Counterion 14:479
- Oxidation 1:427, 10:213
- Performance 6:123, 6:135
- pH 6:03, 6:11
- Photodynamic-Cell-Treatment 39:109
- Photosynthetic-Charge-Separation 7:167
- Planar-Lipid-Bilayer 33:11
- Potassium-Change 7:231
- Preserving 40:181
- Radiofrequency-Dielectric-Property 11:15
- Radiofrequency-Magnetic-Field 37:05
- Real-Space 38:289
- Real-Time 38:289
- Red-Blood-Cell-Membrane 30:43
- Reduction 1:427
- Rotating-Disk-Electrode 10:213
- Sarcoplasmic-Reticulum 6:123
- Signal-Transmitting 3:614
- Sodium-Chloride–Human-Serum-Albumin-Solution 6:11
- Spinal-Cord 7:231
- Squid-Sensor-Array 37:51
- Superconducting-Magnet 43:123
- Surface-Force 38:191
- Surface-Phenomena 48:163
- Tobacco 45:83
- Transference-Number 6:03, 6:11
- Translocation 17:519
- Transmembrane-Resting-Potential 39:109
- Vesicle 6:123
- Water 6:123, 6:135
- Whole-Blood 10:213
- Yeast-Cell 11:15

Measurement-Error 4:166
Measurement-System 41:35
Measuring-Principle 6:03
Mechanical-Characteristics 26:493
Mechanical-Damage 28:483
Mechanical-Energy 5:134
Mechanical-Interference 46:121
Mechanical-Property
- Bilayer-History 37:61
- Electric-Property 37:61
- Electrochemical-Impedance 10:229
- Erythrocyte-Membrane 10:229
- Potential-Dependence 37:61
- Solvent-Redistribution 37:61
- Supported-Lipid-Bilayer 37:61
- Surface-Potential 37:61

Mechanical-Rupture 25:163
Mechanically-Induced-Modification 17:303
Mechanism
- Adsorbed 12:15
- Aerated-Potassium-Chloride-Solution 9:265
- Alkylating-Agent 15:305
- Amino-Acid-Transport 20:109
- Analytical-Application 26:441
- ATP-Synthesis 9:459
- Autoxidation 45:41
- Avarone 26:457
- Azido-Nucleoside 26:441
- Benzodiazepine 16:407
- Benzodiazepine-Iminium 16:407
- Benzyl-Dihydronicotinamide 26:457
- Bilayer-Lipid-Membrane 6:63, 19:499
- Biological-Effect 45:73
- Biologically-Active 26:457
- Biomembrane 16:273, 17:111
- Bipyridyl-Surface 7:527
- Brain-Tissue 5:67
- Calcium-Mediated-Transfer 17:111
- Carcinogenesis 15:305
- Catalyzed 1:448
- Cationic-Medium 26:457
- Cell-Membrane 47:237
- Channel-Closing 31:323
- Channel-Opening 31:323
- Charge-Transfer 15:305, 16:407
- Chlorophyll 12:15
- Collision-Frequency 35:33
- Collodion–Oleic-Acid-Membrane 9:265
- Correlation 6:263, 16:407
- Coupling 5:67
- Cytochrome 1:448, 4:512, 7:527
- Defect-Origination 6:63
- Detection 30:03
- Dielectrophoresis 22:289
- DNA 17:111
- Double-Step-Polarographic-Wave 2:35
- Drug-Activity 16:407
- Dynamics 3:37
- Early-Receptor-Potential 5:425
- Electric-Breakdown 6:63, 9:149
- Electric-Charge-Transport 1:364
- Electric-Field-Effect 32:99
- Electric-Injury 47:237
- Electric-Potential 19:499
- Electrochemical-Disinfection-Effect 9:229
- Electrochemical-Information 3:37

- Electrochemical-Phenomena 1:227
- Electrochemical-Reaction 8:681
- Electrochemical-Reduction 3:123, 26:441
- Electrofusion 48:435
- Electromagnetic-Field 35:33
- Electromechanical-Coupling 30:103
- Electron-Transfer 1:448, 39:155
- Electronic-Structure-Index 6:263
- Electroreduction 6:243, 6:263
- Enantiomeric-Resolution 20:109
- Endogenous-Force 35:33
- Energetics 3:37
- Energy-Dependent 9:459
- Energy-Transduction 5:296, 16:273
- Environment 9:365
- Enzyme-Activity 45:41
- Epithelium 3:365, 13:229
- Escherichia-Coli 9:459
- Experiment 22:289
- Field-Induced-Electroconformational-Damage 47:237
- Frog 3:365
- Generation 5:425, 19:291
- Hemoprotein 8:681
- Heterocyclic-Compound 3:37
- Human-Erythrocyte 30:103
- Hydrated-Ion 42:153
- Hydrogen-Potassium-Exchange 9:459
- Hydrogenase 12:267
- Hypothesis 31:323
- H_2-Electrooxidation 12:267
- Immobilized 12:267
- Impedance-Measurement 5:699
- Interaction 35:33
- Interface 12:15
- Interfacial-Charge 16:273
- Interference 45:73
- Intervention 9:265
- Ion-Adsorption 35:33
- Ion-Dynamics 35:71
- Ion-Selective-Sensor 5:699
- Kinetics 1:364, 27:449, 32:99
- Larmor-Precession 30:03
- Liquid-Membrane-System 19:291
- Low-Frequency-Alternating-Current 9:229
- Mediated 27:449, 32:99
- Mediation 9:365
- Membrane 5:699, 30:103
- Membrane-Fusion 32:99
- Membrane-Potential 19:291
- Mercury-Electrode 4:512
- Methemoglobin 4:512
- Methylene-Blue-Sensitized 9:265
- Micellar 26:457
- Microextension 48:435
- Model 9:365
- Modification 9:365
- Modified-Gold-Electrode 7:527
- Modulation 35:71
- Molecular-Contact 48:435
- NAD 9:365
- NADH 9:365
- Nitric-Oxide 39:155
- Nitrogen 3:37
- Oriented-NA-DNA-Fibre 1:364
- Oxidation 18:59, 26:457
- Oxidative-Phosphorylation 5:296
- Para-Benzoquinone-Derivative 26:457
- Pea-Chloroplast-Membrane 27:27
- Peak 19:291
- Permeation 42:153
- pH-Jump 19:291
- Phospholipid-Bilayer 42:153
- Photoinduced-Electron-Transfer 27:449
- Photooxidation 12:15
- Photoreaction 9:265
- Photosensitive-Lipid-Membrane 9:265
- Photosystem-I 27:27
- Planar-Lipid-Bilayer 27:449
- Polarography 6:243
- Potassium-Accumulation 9:459
- Potential-Spike 19:291
- Potential-Well 35:71
- Propranolol 19:499
- Protein 2:35, 47:237
- Proton-Displacement 16:273
- Pulsating-Electromagnetic-Field 27:317
- Pulsed-Magnetic-Field 45:73
- Pyrogallol 45:41
- Radiolytic-Scanning 18:59
- Redox-System 5:296, 9:365
- Reduction 4:512, 18:59
- Reduction-Potential 16:407
- Regulatory-Action 39:155
- Reversal 9:459
- Reversible 9:149
- Revisited 5:425
- Shape-Transformation 30:103
- Significance 16:273
- Singlet-Oxygen 9:265
- Skin 3:365
- Small-Neutral-Molecule 42:153
- Sodium-Uptake 3:365
- Spike 19:291
- Stacked-Metallotriporphyrin 27:449
- Static-Alternating-Magnetic-Field 30:03
- Stimulation 27:27
- Structure 16:407
- Superoxide-Dismutase 45:41
- Supported-Liquid-Membrane 20:109
- Synthetic-Application 26:441
- Theory 22:289
- Thermal-Noise 35:71
- Thiopyrimidine-Derivative 6:243, 6:263
- Tissue-Growth 1:227
- Tissue-Repair 1:227
- Transmembrane-Potential 30:103
- Trypsin-Treated 27:27
- Underlying-Process 17:111
- Uranyl-Ion 9:149
- Verapamil 19:499
- Vitamin-B12R 3:123
- Vitamin-C 18:59
- Vitamin-E 18:59
- Water-Sensitized 12:15
- Water-Transport 13:229
- Weak-Electromagnetic-Field 5:67
- Weak-Magnetic-Field 35:71

Mediated
- Alkanethiol 46:193
- Alkyl-Chain-Length 46:193
- Catalytic-Reduction 46:193
- Electric-Field 19:323
- Electric-Field-Effect 32:99
- Electron-Transfer 37:73
- Horseradish-Peroxidase 46:193
- Hydrogen-Peroxide 46:193
- Kinetics 27:449, 32:99
- Lipid-Swelling 19:323
- Liposome-Formation 19:323
- Mechanism 27:449, 32:99
- Membrane-Fusion 32:99
- Methyl-Viologen 37:73
- Methylene-Blue 46:193
- Photoinduced-Electron-Transfer 27:449
- Planar-Lipid-Bilayer 27:449
- Polyethylene-Oxide-Modified 37:73
- Self-Assembled-Monolayer-Electrode 46:193
- Stacked-Metallotriporphyrin 27:449
- Superoxide-Dismutase 37:73

Mediated-Electrochemical-Process 46:227

Mediating-Effect
- Erwinia-Dissolvens 17:217
- Ferric-Chelate-Compound 11:135, 17:217
- Lactobacillus-Plantarum 17:217
- Microbial-Fuel-Cell 11:135, 17:217
- Streptococcus-Lactis 17:217

Mediation 9:365

Mediator
- Biomolecule 19:413
- Catecholamine 38:307
- Deposited-Polypyrrole 29:159
- Electron-Transfer 19:413
- FAD 19:413
- Glucose 29:159
- Glucose-Oxidase/Glucose-System 38:307
- Indirect-Electrolysis 1:87
- Macromolecule 1:87
- Metalloprotein 16:99
- Platinum 19:413
- Pteridone 1:87
- Third-Generation-Amperometric-Biosensor 29:159
- Uniform-Latex-Particle-Matrix 29:159

Mediator-Titrant 8:63

Mediatorless-Peroxidase-Electrode 24:305

Medical-Application 47:283

Medicine 19:191

Melanin
- Catecholamine 7:741
- Damping 9:761
- Electret-State 8:555
- Electrochemical-Property 7:741
- Hydrated-Structure 8:555
- Indole 9:761
- Maximum-of-Oxygen 9:761
- Polarography 9:761
- Quantitative-Determination 9:761

Melanin |Natural-» 7:153

Melanin |Synthetic-» 7:153

Melanoma-Cell 43:19

Melatonin
- Bioeffect 47:135
- Capsule 45:275
- Carbon-Electrode 45:275
- Electromagnetic-Field 47:135
- Environmental 47:135
- Magnetic-Field-Induced-Neurite-Outgrowth 39:77
- Pheochromocytoma-Cell 39:77
- Prevention 39:77
- Voltammetry 45:275

Melittin
- Adsorption 24:129
- Alamethicin 24:129, 24:323, 28:85
- Bare 24:129
- Covered 24:129, 28:85
- Interaction 28:85
- Ion-Release 24:323
- Large-Unilamellar-Vesicle 24:323
- Mercury-Electrode 24:129
- Mercury-Electrode-Surface 28:85
- Phospholipid 24:129
- Protein-Kinase-C 28:85
- Pure-Phospholipid-Monolayer 28:85
- Red-Blood-Cell-Membrane 40:09
- Tracer-Kinetics 40:09

Membrane
- 50-Hz-Sinusoidal-Magnetic-Field 36:39
- Activation 20:249
- Aerobic-Bacteria 20:249
- Amphiphilic-Polypeptide 34:01
- Anaerobically-Grown-Bacteria 33:01
- Approximation 6:53
- Arbitrary-Number 6:81
- Artificial 32:45
- ATP-Synthesis 5:37
- Aurantimycin 36:57
- Bilayer-Lipid-Membrane 6:53, 6:81, 6:89
- Buildup 45:181
- Calculation 6:53
- Cationic-Pump 4:225
- Chemical-Reaction 6:451
- Chemical-Treatment 40:159
- Chlorophenacyl-Inhibitor 4:225
- Current-Induced-Voltage-Response 32:45
- Death 6:89
- Defect 6:81
- Defect-Formation 6:89
- Diffusion 6:53
- Dimyristoyl-Phosphatidylcholine 34:01
- Direct-Interaction 33:01
- Electric-Breakdown 6:53, 6:81, 6:89
- Electric-Field-Induced-Pore 11:479
- Electric-Parameter-Change 40:159
- Electric-Potential-Profile 32:305

- Electric-Property-Change 36:39
- Electrogenic-Proton-Transport 45:181
- Electromechanical-Coupling 30:103
- Electron-Receptor 32:45
- Electropermeabilization 47:113
- Electroporation 11:479
- Epithelial-Cell 24:361
- Erythrocyte-Membrane 32:305
- Ethidium-Bromide 47:113
- Fluorescence-Change 47:113
- Functioning 20:249
- Green-Alga 32:45
- Halobacterium-Halobium 14:439
- Human-Amnion 15:427, 24:361
- Human-Erythrocyte 30:103
- Hydration-Number 5:37
- Hydrodictyon-Reticulatum 32:45
- Hydrophilic-Pore 34:01
- Hyperpolarization 20:249
- H^+-ATPase 20:249
- H^+-F_1F_0-ATPase 33:01
- Impedance-Measurement 5:699
- Impedance-Spectroscopy 40:79
- Interaction 47:113
- Interface 40:79
- Interrelation 45:181
- Ion-Selective-Sensor 5:699
- Ion-Transport 1:378
- Ionic-Strength 32:305
- Isolation 40:159
- Kinetic-Stage 6:81
- Leukemic-Cell 36:39
- Lifetime 6:53
- Lifetime-Distribution-Function 6:89
- Lipopeptide-Antibiotics 36:57
- Lipophilic-Ion 14:439
- Mammalian-Cell 47:113
- Mechanism 5:699, 30:103
- Millisecond-Imaging 47:113
- Model 20:249, 25:91, 34:01
- Modeling 45:181
- Nonlinearity 32:45
- Outer-Surface-Charge 32:305
- pH-Difference 45:181
- Pore 36:57
- Potassium-Transport 33:01
- Proton 5:37
- Proton-Motive-Force 45:181
- Proton-Transfer-Step 4:225
- Protoplast 40:159
- Redox-Chain 20:249
- Regulation 20:249
- Self-Oscillation 25:91
- Shape-Transformation 30:103
- Simple-Model 32:305
- Small-Unilamellar-Vesicle 34:01
- Sodium-Hydrogen-Antiport 24:361
- Sodium-Potassium-Chloride-Cotransport 24:361
- Statistical-Pore 25:91
- Steady-State 6:53
- Stochastic-Model 11:479
- Stochastic-Theory 6:89
- Streptomyces-Aurantiacus 36:57
- Theory 1:378
- Thermodynamic-Implication 5:37
- Transmembrane-Potential 30:103, 45:181
- Transport-Rate 14:439
- Ultrastructure 40:79
- Unusual-Form 6:451
- Utilizable-Sugar 20:249
- Yeast 40:159

Membrane-Active-Agent 26:87
Membrane-Bound-Hydrogenase 28:191
Membrane-Bound-Protein 21:289
Membrane-Breakdown |Electrically-Induced-» 10:467
Membrane-Change 7:255
Membrane-Coated-Electrode
- Controlled-Potential 14:275, 14:293, 15:353
- Dielectrics 15:353
- Electric-Field 15:353
- Electrolysis 14:275, 14:293, 15:353
- Numerical-Analysis 14:293
- Theory 14:275

Membrane-Conductance 11:231
Membrane-Covered 45:227
Membrane-Electrode
- Amperometry 11:155
- Calcium-Magnesium-Ion-Binding 4:87
- Cyclic-AMP 4:87
- Glucose-Conversion 11:155
- Glucose-Oxidase 11:155
- Measurement 4:87
- Mutarotase 11:155

Membrane-Electrofusion 34:31
Membrane-Electroporation 28:247
Membrane-Entrapped
- Amperometric-Detection 45:221
- Cytochrome 21:55
- Direct-Electrochemistry 44:177, 45:221
- Horseradish-Peroxidase 44:177, 45:221
- Hydrogen-Peroxide 45:221
- Kinetics 21:55
- Spectroscopy 44:177
- Voltammetry 44:177

Membrane-Filter 38:343
Membrane-Fraction 34:31
Membrane-Fragment 28:149
Membrane-Fragment |Oriented-» 38:53
Membrane-Fusion 32:99
Membrane-Impedance 17:131
Membrane-Interaction 15:395
Membrane-Interface 24:101
Membrane-Lipid 27:01
Membrane-Model 1:313
Membrane-Modification 42:179
Membrane-Near-Space 1:343
Membrane-Patch |Excised-» 31:259
Membrane-Perforation
- Acinar-Cell 26:97, 38:377
- Blebbing 26:97
- Cellular-Energy 38:377
- Electropulsation 26:97, 38:377
- Isolated-Rat-Pancreas 26:97
- Rat-Pancreas 38:377
- Reversible 26:97, 38:377

Membrane-Permeability-Change 9:615
Membrane-Potential
- Analogy 1:313
- Axon-System 5:754
- Bilayer 9:711
- Biomembrane 1:313
- Bombyx-Mori 26:167
- Calcium-Channel 48:407
- Calibration 21:33
- Cationic-Ionophore 17:231
- Cell 28:221
- Chara-Corallina 17:165
- Chlorophyll 17:165
- Ciliary-Stimulation 42:133
- Comparison 8:613, 13:439
- Coupled-Transport 23:01
- Cyanine-Dye 28:221
- Detergent 15:07
- Dielectric-Profile 6:599
- Dinitrophenol 17:165
- Dipalmitoyl-Phosphatidylcholine 9:711
- Electrochemical-Membrane 23:01
- Electrode 6:477
- Electroinduction 19:397
- Energy-Dependent 8:613
- Equilibrium 17:231, 23:01
- Escherichia-Coli 6:477, 8:613
- External-Potassium 45:131
- Fluorescence 17:165
- Fluorescent-Probe 28:221
- Flux 6:599
- Generation 19:291
- Goldman–Hodgkin–Katz-Equation 13:439
- Human-Allantochorial-Placental-Vessel 39:203, 45:131, 48:407
- Human-Erythrocyte 15:07, 17:231
- Immobilized-Enzyme-Reaction 26:167
- Internodal-Cell 17:165
- Ion-Permeability 7:487
- Isotonic-Unbuffered-Media 17:231
- Junction-Potential 14:479
- Linear-Equation 21:33
- Lipid-Bilayer-Membrane 7:487
- Liquid-Membrane-System 17:193, 19:291, 19:301
- Loligo-Forbesii 5:754
- Long-Lived 19:397
- Measurement 14:479
- Mechanism 19:291
- Membrane-Model 1:313
- Membrane-Resistance 17:165
- Mitochondrium 21:33
- Modification 15:07
- Monolayer 9:711
- Nerve-Cell 27:293
- Neuronal-Cell 38:297
- Nonlinear-Response 17:193
- Organic-Counterion 14:479
- Oxidative-Stress 38:297
- Peak 19:291, 19:301
- Permeability 1:313
- Perturbation 17:193
- pH 17:165
- pH-Jump 17:193, 19:291, 19:301
- Polyoxyethylene 15:07
- Potassium-Accumulation 8:613
- Potassium-Channel 38:297, 48:407
- Potassium-Chloride 17:231
- Potential 19:301
- Potential-Spike 19:291
- Relaxation 19:301
- Sensitive 6:477
- Silk-Fibroin-Membrane 26:167
- Smooth-Muscle-Cell 39:203, 45:131, 48:407
- Sodium-Chloride 17:231
- Spike 19:291
- Squid-Axon 13:439
- Stationary-State 5:754, 6:599
- Sucrose 17:231
- Surface-Diffusion-Potential-Equation 13:439
- Surface-Pressure 9:711
- Suspension 17:231
- Temperature-Dependence 9:711
- Tetraphenyl-Phosphonium 6:477
- Theory 19:301
- Transient-Peak 17:193
- Triton 17:231
- Triton-X-100 15:07
- Weak-Nonthermic-High-Frequency-Electromagnetic-Field 27:293
- Yeast 19:397

Membrane-Potential |External-» 16:55
Membrane-Potential-Change 21:333
Membrane-Process 42:187
Membrane-Protein 12:49
Membrane-Resistance
- Chara-Corallina 17:165
- Chlorophyll 17:165
- Current-Injection 3:614
- Dinitrophenol 17:165
- Electrically-Excitable-Cell 3:614
- Fluorescence 17:165
- Internodal-Cell 17:165
- Measurement 3:614
- Membrane-Potential 17:165
- Nerve 3:614
- pH 17:165
- Signal-Transmitting 3:614

Membrane-Structure 17:303
Membrane-Surface 13:117
Membrane-Surface-Potential 33:11
Membrane-System
- Association 10:315
- Biocide 6:197
- Clamped-Ionic-Gradient 6:289
- Electric-Potential-Difference 6:289
- Experiment 7:209
- Plant-System 6:197
- Specific-Electrical-Contribution 7:209
- Surfactant 6:197

Membrane-Transport 7:61
Membrane/Electrolyte-Solution-Interface
- Electrokinetic-Property-Change 10:261
- Human-Erythrocyte 23:129
- Human-Red-Blood-Cell 10:261

• In-Vitro 23:129
• Kinetic-Model 23:129
• Quaternary-Ammonium-Cation-Transport 10:261, 23:129
Memory
• Alternating-Current 10:133
• Control 42:193
• Enzyme-System 10:133
• Ion-Channel 42:193
• Monitoring 10:133
• Monostable-System 10:133
• Multistable-System 10:133
Mercury-Drop-Electrode 46:07
Mercury-Electrode
• Acid-Medium 12:25
• Adenine-Nucleotide 15:317
• Adsorbed 1:478, 3:253, 41:115
• Adsorbed-Layer 12:353
• Adsorption 2:204, 4:369, 6:555, 12:137, 14:347, 24:129, 40:223
• Alamethicin 24:129
• Alkaline-Phosphatase 15:407
• Aqueous-Media 26:485
• Ascorbic-Acid 14:469
• Association 12:137
• Bare 24:129
• Base-Composition 3:461
• Biogenic-Substance 12:353
• Biological-Media 26:485
• Biosynthetic-Polynucleotide 1:487, 2:204, 2:245, 3:440, 3:461
• Bipyridyl-Monolayer 14:347
• Bromide-Ion 12:137
• Cadmium 12:353
• Cadmium-Zinc-Metallothionein 40:223
• Catalytic-Hydrogen-Evolution 3:253
• Cathodic-Stripping-Voltammetry 26:485
• Ceftriaxone 26:485
• Cephalosporin-Antibiotics 26:485
• Ceruloplasmin 15:407
• Charged-Interface 3:440
• Charged-Surface 7:317
• Chloride-Ion 12:137
• Chromatium-Vinosum 26:123
• Comparative-Study 1:487, 2:245, 14:469
• Comparison 48:43
• Conformation 1:478
• Covered 14:347, 24:129
• Cysteine 48:43
• Cytochrome 1:478, 4:512, 6:555
• Cytosine 12:137
• Deconformation 3:440
• Denatured-DNA 1:487, 2:245
• Deoxyribose 45:123
• Dichlorodiammineplatinum(II) 16:395
• Dihydroxyfumaric-Acid 14:469
• Dimethylformamide 15:125
• Disulfide-Bond 44:13
• DNA 4:369, 7:317
• Double-Helix 7:317
• Electrocapillary-Measurement 25:137
• Electrochemical-Conversion 15:407
• Electrochemical-Property 1:487, 2:245
• Electrochemical-Reaction 14:347
• Electrochemical-Reactivity 48:43
• Electrochemical-Reduction-Mechanism 15:125
• Electrode-Surface 25:137
• Electron-Transferring-Protein 9:743
• Glycogen 1:478
• Guanosine 21:83
• Hanging-Mercury-Drop-Electrode 2:204
• High-Potential 26:123
• Homocysteine 48:43
• Hydroxyl-Radical 45:123
• Interaction 7:317, 12:353
• Interfacial-Accumulation 16:395
• Iodide-Ion 12:137
• Iron-Protein 26:123
• Lactoperoxidase 15:407
• Low-Potential 9:743
• Mechanism 4:512
• Melittin 24:129
• Methaemoglobin 1:478
• Methemoglobin 4:512
• Metmyoglobin 1:478
• Native-DNA 1:487, 2:245, 3:440
• Natural-Polynucleotide 1:487, 2:204, 2:245, 3:440, 3:461
• Neutral-Media 14:469
• Nucleic-Acid 7:317
• Number-of-Electroactive-Disulfide-Bond 41:115
• pH-Dependence 7:317
• Phospholipid 24:129
• Phosphorylase 1:478
• Polarography 26:123
• Poly-L-Lysine 1:478
• Polyamine 4:369
• Polyriboadenylic-Acid 2:204
• Potential-Dependence 7:317
• Predicting 41:115
• Probe 45:123
• Protein 3:253, 14:347, 41:115, 44:13
• Purine-Derivative 8:621
• Pyridoxal-Phosphate 12:25
• Pyrimidine-Derivative 8:621
• Pyrromethenone 15:125
• Reaction 8:621
• Reaction-Rate-Constant 45:123
• Reduction 2:204, 4:369, 4:512, 15:317, 21:83, 44:13
• Structural-Change 7:317
• Surface-Active 12:353
• Surface-Chemistry 26:123
• Surface-Orientation 25:137
• Thiamine 13:25
• Thiamine-Diphosphate 13:25
• Thymidine 25:137
• Thymine 25:137
• Transition-Metal 3:253
• Uracil 25:137
• Uridine 25:137
• Voltammetry 16:395, 40:223
Mercury-Electrode
|RNA-Modified-» 34:69
Mercury-Electrode-Surface
• Adsorption 34:77
• Alamethicin 28:85
• Conformation 34:77
• Covered 28:85
• Interaction 28:85
• Melittin 28:85
• Polyribocytidylic-Acid 34:77
• Protein-Kinase-C 28:85
• Pure-Phospholipid-Monolayer 28:85
• Voltammetry 34:77
Mercury-Surface 28:71
Mercury/Electrolyte-Interface
• Adsorption 2:79, 3:241, 4:380
• Association 1:459
• DNA 1:459, 2:79, 3:241, 4:380
• Model 4:380
• Reaction 2:79
• Reduction 3:241
• Temperature-Dependence 2:79
Mercury/Solution-Interface
• 3-Dimensional 29:223
• Adenine 3:418, 4:447
• Adenine–Nicotinamide-Dinucleotide 11:299
• Adsorption 4:447, 5:635, 9:541, 11:299, 29:223
• Adsorption-Stage 3:418
• Alternating-Current-Voltammetry 29:223
• Anti-Metabolite 9:541
• Antitumor-Drug 21:199
• Bacteriostatic-Action 9:541
• Benzenesulfonamide-Derivative 12:543
• Benzoic-Acid-Derivative 12:543
• Beta-Microglobulin 39:129
• Cholate-Anion 29:223
• Cisplatin 21:199
• Comparative-Study 11:299
• Complementary 5:635
• Complex 21:199
• Conformational-Change 13:211
• Electric-Double-Layer 39:129
• Fragment-1 13:211
• Interfacial-Behavior 9:541, 12:543, 21:199
• Interfacial-Orientation 3:418
• Mixture 5:635
• Molecular-Framework 12:543
• Mononucleotide 3:418
• NAD^+ 11:299
• Non-Complementary 5:635
• Nucleic-Acid-Base 5:635
• Oligonucleotide 3:418
• Orientation 26:359
• PABA 9:541
• Para-Aminobenzoic-Acid 9:541
• Phase-Sensitive 29:223
• Polypeptide 22:09
• Protein 22:09
• Prothrombin 13:211
• Reaction 22:09
• Solid/Solution-Interface 22:09
• Substituent 12:543
• Surface-Activity 26:359
• Theory 12:543
• Thiobarbituric-Acid 26:359
• Trideoxyribonucleotide 21:199
• Voltammetry 26:359
Merocyanin-540 26:493
Mesoheme 46:175
Metabolic-Interference 35:19
Metabolic-Process 16:135
Metabolic-Production 18:247
Metabolic-Substrate 40:99
Metabolism
• 6B1-Cell 48:369
• Acid–Base-Reaction 38:45
• Analytical-Performance 4:257
• ATP-Synthase 38:45
• Bacterial-Luciferase 4:257
• Brain 5:504
• Cell-Coat 39:31
• Culture-Medium 39:31
• Dopaminergic-Neuron 5:504
• Driving-Force 38:45
• Electrochemical-Information 5:504
• Energetic-Structure 3:33
• Extremely-Low-Frequency-Capacitively-Coupled-Weak-Electric-Field 48:369
• Extremely-Low-Frequency-Magnetic-Field 39:31
• Fibroblast 39:31
• Fibroblast-Culture 39:31
• Glycosaminoglycan 39:31
• Hydrogen-Peroxide 18:203
• In-Vivo 5:504
• Ion-Motive-ATPase 38:45
• Iron-Induced-Calcium-Release 18:203
• Magnetic-Field 39:31
• Micro-Assay 4:257
• Oxide-Anion 38:45
• Pulsed-Electromagnetic-Field 14:93
• Rat-Liver-Mitochondrium 18:203
• Rat-Skin 14:93
• Release-Process 5:504
• Simplify 4:257
• Static-Magnetic-Field 39:31
• Storage 5:504
Metal 4:01
Metal-Cation
• Catalytic-Activity 8:257
• Electrochemical-Reactivity 8:257
• Model-Compound 8:257
• NADH 8:257
• Sulfur-Nitride-Electrode 5:215
• Surface-Interaction 5:215
• Surface-Modification 5:215
Metal-Complex
• Activation 18:29
• Active-Oxygen 18:21
• Autoxidation 18:29
• Covalent 10:69
• Detoxication 18:21
• Dimer 10:69
• Living-System 18:29
• Oxygen 18:29
• Porphyrin 10:69
• Reduction 10:69
Metal-Dithiolene 43:157
Metal-Ion
• Bioactive 20:33
• Coordination 20:33
• Glucose-Oxidase 8:703
• Immobilized 8:703
• Inhibition 8:703
• Molecule 20:33
• Polyacrylamide-Gel 8:703
Metal-Ion-Equilibria 8:49
Metal-Mercaptide-Complex 19:111
Metal-Porphyrin 23:93
Metal-Support
• Biophysical-Mechanism 41:221
• Biotin-Streptavidin 39:235
• Electrostriction 39:235
• Enzymatic-Reaction 41:221

- Enzyme 41:221
- Immobilization 41:221
- Lipid-Bilayer 41:221
- Modified-Bilayer-Lipid-Membrane 39:235

Metal/Solution-Interface 5:650
Metallic-Electrode-Coating 13:55
Metallic-Silver-Surface 26:475
Metallochlorophyll |Doped-» 39:125
Metalloporphyrin
- Dimethylformamide 2:61
- Oxygen-Binding 3:480
- Polarography 2:61
- Porphyrin 2:61
- Redox-Potential 8:213
- Redox-Property 3:480
- Substituent-Effect 3:480
- Tuning 8:213

Metalloprotein
- Complex 21:289
- Cyclic-Voltammetry 19:111
- Dynamics 21:289
- Electrochemical-Characterization 19:111
- Electron-Transfer-Reaction 21:289
- Electronic-Fluctuation 21:289
- Mediator 16:99
- Membrane-Bound-Protein 21:289
- Metal-Mercaptide-Complex 19:111
- Metallothionein 19:111
- Protein 21:289

Metallothionein
- Complexation 40:215
- Cyclic-Voltammetry 19:111
- Electrochemical-Characterization 19:111
- Metal-Mercaptide-Complex 19:111
- Metalloprotein 19:111
- Square-Wave-Voltammetry 40:215
- Zinc 40:215

Metallotriporphyrin |Stacked-» 27:449
Metallotropic-Form 22:299
Methaemoglobin 1:478
Methanol 13:07
Methemoglobin 4:512
Methoxy-Benzoquinone 19:521
Methyl-Phenyl-Tetrahydropyridine 19:477
Methyl-Pheophorbide 25:415
Methyl-Viologen 37:73
Methylated-Tetrahydropterin 10:357
Methylation 16:449
Methylene-Blue
- Adsorbed 19:337
- Alkanethiol 46:193
- Alkyl-Chain-Length 46:193
- Bioelectrochemical-Activity 32:35
- Catalytic-Reduction 46:193
- Electrochemical-Polymerization 32:35
- Film 32:35
- Hemoglobin 19:337
- Horseradish-Peroxidase 46:193
- Hydrogen-Peroxide 46:193
- Mediated 46:193
- Modified-Electrode 19:337
- Oxidation 19:337
- Quasi-Reversible 19:337
- Reduction 19:337
- Self-Assembled-Monolayer-Electrode 46:193
- Spectroelectrochemistry 19:337

Methylene-Blue-Sensitized
- Aerated-Potassium-Chloride-Solution 9:265
- Air-Saturated-Solution 6:427
- Biological-Process 6:427
- Collodion–Oleic-Acid-Membrane 6:427, 9:265
- Experimental-Model 6:427
- Intervention 9:265
- Mechanism 9:265
- Photoreaction 9:265
- Photosensitive-Lipid-Membrane 6:427, 9:265
- Photosensitization 6:427
- Singlet-Oxygen 9:265

Methylguanine 33:181
Methylguanosine
- Adsorption-Stage 11:457, 12:205
- Association 11:457, 12:205
- Charged-Interface 11:457, 12:205
- Solution 11:457, 12:205
- Varying-pH 11:457, 12:205

Methylpyridinium-Iodide 2:163
Methylpyridinium-Tri-Iodide 2:163
Methyluric-Acid 43:205
Methylviologen 12:575
Metmyoglobin 1:478
Metoprolol 38:223
Metronidazole 42:175
Mice |Albino-» 45:47
Micellar 26:457
Micellar-Complex 15:95
Micellar-Solution 13:459
Michaelian-Enzyme-System 19:247
Miconazole 16:519
Micro-Assay 4:257
Micro-Sample-Analysis 8:275
Microalga 39:89
Microbe-Growth 30:173
Microbead |Charged-» 48:181
Microbial-Cell
- Binding 42:263
- Electrochemical-Sterilization 13:393
- Lipophilic-Anion 42:263

Microbial-Cell-Suspension 39:185
Microbial-Culture
- Antibiotics 17:43
- Bacterial-Growth 12:81, 12:93
- Bactericidal-Efficacy 12:93
- Beta-Lactam 17:43
- Drug 12:93
- Experiment 17:43
- Lipoic-Acid 12:81, 12:93, 17:43
- Modeling 17:43
- Potential 12:81
- Potential-Time-Signal 17:43
- Potentiometry 12:81, 12:93, 17:43
- Reduction 12:81, 12:93, 17:43
- Time-Signal 12:81

Microbial-Fuel-Cell
- Coupled-Mediator 11:289
- Enterobacter-Aerogene 21:25
- Erwinia-Dissolvens 17:217
- Ferric-Chelate-Compound 11:135, 11:289, 17:217
- Lactobacillus-Plantarum 17:217
- Mediating-Effect 11:135, 17:217
- Streptococcus-Lactis 17:217
- Thionine 11:289

Microbial-Sensor
- Biochemical-Basis 19:137
- Biochemical-Fundamentals 25:19
- Kinetically-Controlled 19:137
- Selectivity-Improvement 25:19

Microbial-System 2:198
Microbiological-Growth 48:375
Microbiological-Implication 11:181
Microbiological-Influence 16:347
Microcalorimetry 20:125
Microcarrier-Method 38:209
Microchemiosmotic-Interpretation 13:143
Micrococcal-Nuclease 1:126
Micrococcus-Luteus 26:423
Microelectrode
- Acetaminophen 12:193
- Biological-Measurement 7:363
- Coaxial 7:363
- Cultured 17:141
- Cyclic-Differential-Pulse-Voltammetry 38:315
- Cytoplasm 40:67
- Double-Barrel 7:363
- Epithelial-Cell 17:141
- Human-Fibroblast 40:67
- Immobilized-Enzyme 25:131
- In-Vivo 12:193
- Ion-Selective 7:363
- Lactate-Ion-Concentration 25:131
- Low-Impedance 7:363
- Monitoring 12:193
- Nucleus 40:67
- Performance 38:315
- Polymer-Membrane 25:131
- Primate-Species 12:193
- Solid-State 25:131
- Transmembrane-Potential 40:67
- Voltammetry 12:193

Microelectronic-Sensor 48:261
Microelectrophoresis 17:429
Microemulsion 20:291
Microextension 48:435
Micronucleus-Frequency 43:77
Microorganism 22:113
Microperoxidase
- Bioelectrochemistry 28:159
- Carbon-Paste-Electrode 45:227
- Chemically-Modified-Gold-Electrode 29:177
- Cytochrome 29:177
- Electrocatalytic-Reduction 39:139
- Electrochemical-Determination 45:227
- Flow-System 45:227
- Horse-Heart 29:177
- Hydrogen-Peroxide 39:139
- Interaction 26:475
- Membrane-Covered 45:227
- Metallic-Silver-Surface 26:475
- Modified-Carbon-Paste-Graphite-Electrode 39:139
- Peroxidase 45:227
- Silver 26:475
- Sulphur-Containing-Compound 29:177

Microperoxidase-Monolayer-Functionalized-Electrode 44:209
Microscopic-Engine 39:67
Microscopic-Foundation 48:301
Microscopic-Viscosity 5:574
Microsphere 21:63
Microtubule
- Cellular-Automata 41:63
- Coherent-Assembly 41:71
- Damping 48:285
- Double-Bilayer-Membrane-System 15:395
- Dynamics 41:63
- Electric-Field 45:239
- Endogenous-Alternating-Current-Field 41:53
- External-Electromagnetic-Field 41:63
- Geometric-Curvature 41:59
- Information-Processing 41:59
- Interaction 41:53
- Living-Cell 41:53
- Membrane-Interaction 15:395
- Model 41:71
- Simulation 41:63
- Stochastic-Assembly 41:71
- Strange-Polymer 48:285

Microvessel-Tissue 14:197
Microviscosity 6:323
Microvoltammetric-Characterization 33:91
Microwave
- Animal-Brain 48:223
- Bioelectric-Activity 48:223
- Cell-Growth 27:361
- Direct-Excitation 16:63
- DNA 16:63
- Frequency-Dependence 27:361
- Immunomodulating-Effect 30:327
- Intensity-Dependent 27:361
- Internal-Mode 16:63
- Patient 30:327
- Strychnine 48:223
- Systemic-Lupus-Erythematosus 30:327
- Technical-Aspect 48:305
- Thermotherapy 48:305
- Ultrahigh-Frequency-Electric-Field 30:327

Microwave-Behavior |Low-Intensity-» 30:287
Microwave-Field
- Acetylcholine-Receptor-Channel 30:275, 35:81
- Fractal-Property 35:81
- Gating 35:81
- Interaction 30:275

Microwave-Induced-Hyperthermia 47:259
Microwave-Induced-Leakage 32:187
Microwave-Radiation
- Accidental-Exposure 30:319
- Cell-Proliferation-Change 44:251

• Chromosomal-Aberration 30:319
• Elimination-Rate 30:319
• Environmental 44:251
• Nonionizing-Radiation 44:251
Microwave-Radiation |Isothermal-2.45-GHz-» 39:167
Midpoint-Potential 28:401
Mild-Immobilization 33:191
Mild-Stress-Response 14:45
Milk-Protein 41:77
Millimeter-Wave
• Biological-Effectiveness 43:27
• Biophysical-Aspect 27:11
• Far-Field-Zone-Radiator 43:217
• Field-Intensity 43:27
• Frequency 43:27
• Genetic-Effect 27:11
• Inhibition 43:217
• Low-Intensity 27:11
• Mouse-Peritoneal-Neutrophil 43:217
• Mutagenesis 43:227
• Nonthermal-Bioeffect 48:349
• Poor-Replicability 48:349
• Production 43:217
• Radiation 43:217
• Reactive-Oxygen-Species 43:217
• Resonance 43:27
• UV-Induced-Recombination 43:227
• Yeast 43:227
Millimeter-Wave-Radiation |Low-Intensity-Modulated-» 46:267
Millipore-Filter 9:517
Millisecond-Imaging 47:113
Mimetic-Activity 48:109
Mimetic-Compound 44:31
Mimicking 42:141
Miniature 17:153
Miniaturized
• Amperometric-Sensor 33:165
• Biomedical-Measurement 3:158
• Design 3:158
• Direct-Measurement 33:165
• Lepidopterous-Pupae 33:165
• Oxygen 33:165
• Selective-Electrode 3:158
• Sensor 3:158
• Tracheal-System 33:165
Minimizing-Effect 40:193
Minimum 8:247
Minizyme 42:01
Minute-Level 5:459
Missing-Protein 21:307
Mitochondrial-Activity 30:127
Mitochondrial-Damage 18:211
Mitochondrial-Dysfunction |Rat-Liver-» 42:169
Mitochondrial-Membrane 29:363
Mitochondrial-Membrane |Inner-» 12:147
Mitochondrial-Reduction 18:51
Mitochondrial-Respiration 8:405
Mitochondrium
• Bilayer-Lipid-Membrane 4:155
• Calcium-Transport 23:325
• Calibration 21:33
• Cell-Injury 23:325
• Coulombic-Hypothesis 21:193
• Cytochrome-Oxidase 13:235
• Dicyclohexylcarbodiimide-Binding 16:301
• Electrochemical-Membrane-Potential 17:261
• Energy-Relationship 1:03
• Energy-Transduction 21:193
• Experiment 23:325
• Hepatic-Chronic-Iron-Overload 23:325
• Linear-Equation 21:33
• Membrane-Potential 21:33
• Modulation 17:261
• NADH-Dehydrogenase-Coenzyme 4:155
• Oxidative-Phosphorylation 13:235
• Phosphorylation 1:03
• Reaction 4:155
• Redox-Reaction 1:03
• Sulfhydryl-Reagent 17:261
Mitochondrium |Bovine-Heart-» 17:147
Mitochondrium |Rat-Liver-»
• Biochemical-Property 10:185
• Electrophoretic-Mobility 12:253
• He-Ne-Laser 10:185
• Hydrogen-Peroxide 18:203
• Iron-Induced-Calcium-Release 18:203
• Irradiation 10:185
• Metabolism 18:203
• Optical-Property 10:185
• Power-of-Energization 12:253
Mitochondrium |Yeast-» 7:775
Mitochondrium-Like 38:35
Mitochondrium-Membrane |Liver-» 1:275
Mitomycin-C 38:77
Mixed-Catalyst 17:243
Mixed-Film
• Acidic-Phospholipid 5:357, 5:369
• Lipid/Protein-Ratio 5:369
• Monolayer 5:369
• Myelin 5:357, 5:369
• Protein 5:357, 5:369
• Structural 5:357, 5:369
• Surface-Potential 5:357, 5:369
• Theory 5:357
Mixed-Membrane 48:311
Mixed-Monolayer
• Electrochemical-Property 27:207
• Interaction 6:537
• Modified-Gold-Electrode 27:207
• Phosphatidyl-Choline 6:537
• Phosphatidyl-Serine 6:537
• Prothrombin 6:537
• Structural-Dynamics 6:537
Mixture 5:635
Mobile-Telecommunication-Equipment 47:199
Model
• Activation 20:249
• Active-Metabolite 28:443
• Active-Transport 31:271, 40:239
• Activity 31:271, 40:239
• Adipose-Tissue 33:61
• Adsorbed 8:167
• Adsorption 4:380
• Aerobic-Bacteria 20:249
• Alpha-Tocopherol 33:61
• Amphiphilic-Polypeptide 34:01
• Anion 46:15
• Antiulcer-Action 28:443
• Asparagine-212 33:151
• Aspartate-212 33:151
• Bacteria 40:233
• Bacterial-Activity 9:699
• Bacterial-Cell 48:375
• Bacteriorhodopsin-Membrane 33:135, 33:143, 33:151, 37:91, 37:109, 45:193
• Base-Pair 46:15
• Bioeffect 43:239
• Bioelectrochemical-System 5:97
• Biological-Relevance 9:379
• Biomembrane 5:43
• Biopolymer 4:522
• Bound-Water-Molecule 43:239
• Bound-Enzyme 28:443
• Calorimetry 9:379
• Carbon-Dioxide-Transport 27:487
• Carbonic-Anhydrase 27:487
• Cationic-Ionophore 17:223
• Cell 30:85
• Cell-Culture 35:99
• Charged-Interface 5:314
• Chloride-Ion-Transport-Blocker 45:193
• Chromatin 8:189
• Co-Operative-Interaction 19:77
• Cofactor-Shuttle 31:271
• Coherent-Assembly 41:71
• Compaction 8:167
• Competition 19:77
• Complex 9:379
• Component-Analysis 33:135, 33:143, 33:151, 37:91, 45:193
• Coulter-Counter 6:349
• Coupled-Cooperative-Association 8:301
• Coupled-Cooperative-Protonation 8:301
• Culture 9:699
• Depletion 48:375
• Detection 47:207
• Dimyristoyl-Phosphatidylcholine 34:01
• Divalent-Cation-Chelator 45:193
• DNA 2:287, 4:380, 5:347, 8:167, 46:15
• DNA-Concentration 40:233
• Donor–Acceptor-Interaction 9:379
• Drug 9:699
• Dynamical-System 43:239
• Electric-Breakdown 6:349
• Electrochemical-Feature 8:189
• Electrochemical-Impedance 10:213
• Electrode-Surface 2:287, 4:522, 8:167
• Electrode/Solution-Interface 5:314
• Electrodic-Memory 5:43
• Electrolysis 7:61
• Electromagnetic-Field-Effect 30:85
• Electromagnetic-Interaction 5:97
• Electron-Affinity 46:15
• Electron-Conduction 46:15
• Electron-Driven 31:271, 40:239
• Electron-Exchange 5:347
• Electron-Transfer 28:443
• Electrotransformation 40:233
• Endogenous-Potential 30:221
• Environment 9:365
• Enzyme 40:239
• Enzyme-Reaction 31:271
• Escherichia-Coli 9:699
• Evolution 31:271, 40:239
• Evolution-Time 9:699
• Fast-Photoelectric-Signal 33:135, 33:143, 33:151, 37:91, 45:193
• Ferrocyanide 10:213
• Fibroblast 35:99
• Fluorescamine-Treatment 33:143
• Function 5:43
• Functioning 20:249
• G3P/DHAP-Shuttle 40:239
• GABA 27:487
• Generation 48:375
• Gold-Electrode 9:699
• Homeostasis 27:487
• Homogeneous-Electrical-Field 6:349
• Human-Erythrocyte-Suspension 17:223
• Human-Skin-Injury 30:221
• Hydrogen-Bonded 46:15
• Hydrophilic-Pore 34:01
• Hyperpolarization 20:249
• H^+-ATPase 20:249
• H^+-Transport 19:359
• Immiscible-Electrolyte-Solution-Interface 7:61
• In-Vitro 27:487
• Interaction 19:95
• Ion-Binding 43:239
• Ionic-Equilibria 17:223
• Ionic-Strength-Dependence 19:95
• Ionization-Potential 46:15
• Isolating-Component 37:91
• Isotonic-Unbuffered-Media 17:223
• Kinetics 31:271, 40:239
• Large-Ionic-Ligand 19:77
• Larmor-Precession 43:239
• Lipid-Membrane 19:359
• Lipoic-Acid 9:699
• Living-Cell 6:349
• Long-Range 19:77
• Low-Level-Chemiluminescence 48:375
• Low-Level-Direct-Current 35:99
• Low-pH 37:91
• Mass-Transfer-Phenomena 10:213
• Measurement 10:213
• Mechanism 9:365
• Mediation 9:365
• Membrane 20:249, 25:91, 34:01
• Membrane-Transport 7:61
• Mercury/Electrolyte-Interface 4:380
• Microbiological-Growth 48:375
• Microtubule 41:71
• Modification 9:365
• Multilayer-Stacking 33:135

- Na-K-ATPase 14:327, 30:85
- NAD 9:365, 9:379, 31:271
- NADH 9:365, 31:271
- Noise 5:97
- Nucleic-Acid 5:314, 19:95
- Nujol 33:61
- Null-Current-Method 37:109
- OH^--Transport 19:359
- Omeprazole 28:443
- Orientation 43:239
- Osmotic-Equilibria 17:223
- Oxidation 10:213
- Pairwise-Pi-Stacking 46:15
- Particle 6:349
- Passive-Transport 19:359
- Phenolic-Structure 9:379
- Photoconductivity 37:109
- Photodynamic-Damage 5:347
- Photoelectric-Signal 37:109
- Pi-State 8:167
- pK-Shift-Mediated 8:301
- Plasmid 40:233
- Point-Mutation 33:151
- Polarity-Reversal 37:91
- Poly-Electrolyte 8:167
- Polyion 19:77
- Polymer 8:301
- Potassium-Chloride 17:223
- Potential 8:167
- Prolonged-Drying 33:135
- Protein 19:95
- Proton-Driven 31:271, 40:239
- Proton-Ionophore 37:109
- Pump–Leak-Relationship 14:327
- Qualitative 5:43
- Quantitative 9:379
- Quantitative-Relationship 40:233
- Redox-Chain 20:249
- Redox-Potential-Gradient 31:271, 40:239
- Redox-Process 5:347
- Redox-Reaction 31:271, 40:239
- Redox-System 9:365
- Regulation 20:249
- Rotating-Disk-Electrode 10:213
- Self-Oscillation 25:91
- Simulation 19:95
- Site-Binding 19:77
- Small-Ionic-Ligand 19:77
- Small-Unilamellar-Vesicle 34:01
- Sodium-Chloride 17:223
- Spectroscopy 9:379
- Statistical-Evaluation 40:233
- Statistical-Pore 25:91
- Stochastic-Assembly 41:71
- Strand-Breaking 5:347
- Sucrose 17:223
- Thin-Film 33:61
- Utilizable-Sugar 20:249
- Weak-Extremely-Low-Frequency-Electric-Field 47:207
- Weak-Extremely-Low-Frequency-Magnetic-Field 47:207
- Weak-Magnetic-Field 43:239
- Whole-Blood 10:213
- Zero-Current-Potential 9:699

Model |Simplified-» 1:355

Model-Chelate 1:29

Model-Compound
- Aqueous-Solution 1:96
- Catalytic-Activity 8:257
- Chemical-Oxidation 1:96
- Electrochemical-Oxidation 1:96
- Electrochemical-Reactivity 8:257
- Metal-Cation 8:257
- NADH 1:96, 8:257
- NAD^+ 9:287
- Redox-Transformation 9:287

Model-Membrane
- Alternating-Current-Polarography 7:459
- Association-Constant 9:489
- Cation 7:459
- Charge-Transfer 7:459
- Dioleoyl-Phosphatidylcholine 15:167
- Drug 9:489
- Electrosorption 7:459
- Homologous 7:459
- Lecithin 7:459
- Lipid 9:489
- Monolayer 9:489
- Permeability-Difference 15:167
- Saturated-Phosphatidic-Acid 15:167
- Unsaturated-Phosphatidic-Acid 15:167

Model-Reaction
- Adenine-Nucleotide 9:23
- ATP-Magnesium-Salt 9:31
- Autoxidation 18:283
- Binding 9:31
- Cetyltrimethylammonium-Bromide 9:23
- Diabetes 18:283
- Hydrocarbon/Water-Interface 9:23, 9:31
- Hydrogen-Ion-Activity 9:31
- Interaction 9:23
- Monosaccharide 18:283
- Nucleotide 9:23, 9:31, 18:283
- Oxidative-Stress 18:283
- Protein 18:283
- Sorption 9:23, 9:31

Modeling
- Anthracycline 16:135
- Antibiotic-Peptide 32:295
- Antibiotics 17:43
- Architecture 47:333
- Beta-Lactam 17:43
- Bilayer-Lipid-Membrane 17:409
- Biological-Tissue 40:147
- Biophysical-Aspect 41:03
- Buffering 46:79
- Buildup 45:181
- Calcium-Ion 46:79
- Cancerostatic 16:135
- Carbon-Paste-Electrode 48:163
- Cell-Membrane 46:199
- Cellular-Level 41:03
- Density-Operator 30:35
- Double-Layer-Capacitance 48:163
- Dynamics 41:03
- Electric-Property 40:147
- Electrochemical-Equivalent-Cell 17:409
- Electrogenic-Proton-Transport 45:181
- Endoplasmic-Reticulum 46:79
- Equivalent-Circuit 40:147
- Experiment 17:43
- External-Signal 41:03
- Hepatocyte-Tissue 47:333
- In-Vivo 47:333
- Interaction 41:03
- Interfacial-Tension 46:199
- Internal-Oscillation 41:03
- Interrelation 45:181
- Lifetime 30:35
- Ligand-Binding 30:35
- Lipoic-Acid 17:43
- Low-Frequency-Impedance 48:163
- Measurement 48:163
- Membrane 45:181
- Metabolic-Process 16:135
- Microbial-Culture 17:43
- Mobile-Telecommunication-Equipment 47:199
- Neuronal-Cell 47:199
- Nonlinear 35:39
- Oscillation 46:79
- pH-Difference 45:181
- Phospholipidic-Molecule 32:295
- Polarography 16:135
- Potential-Time-Signal 17:43
- Potentiometry 17:43
- Protein-Size 46:79
- Proton-Motive-Force 45:181
- Radiofrequency-Field 47:199
- Rat-Liver 47:333
- Reduction 17:43
- Sequestering 46:79
- Signaling 46:79
- Specific-Interaction 32:295
- Subcompartment 46:79
- Surface-Phenomena 48:163
- Transmembrane-Ion-Transfer-System 35:39
- Transmembrane-Potential 45:181, 46:79
- Two-Component-Bilayer-Lipid-Membrane 46:199
- Weak-Electric-Field 35:39
- Weak-Electromagnetic-Field 41:03

Modification
- Barley-Protoplast 26:87
- Davydov-Like-Soliton 48:297
- Denaturation 12:431
- Detergent 15:07
- EDTA 34:189
- Electrofusion 26:87, 41:161
- Electroporation 34:189
- Environment 9:365
- Erythrocyte 34:189
- Extremely-Low-Frequency-Magnetic-Field 14:197
- Glutamate-Dehydrogenase 12:431
- Human-Erythrocyte 15:07
- Isotonic-Solution 34:189
- Mechanism 9:365
- Mediation 9:365
- Membrane-Active-Agent 26:87
- Membrane-Potential 15:07
- Microvessel-Tissue 14:197
- Model 9:365
- Molecular-Chain 48:297
- Multiquanta 48:297
- NAD 9:365
- NADH 9:365
- Polarography 12:431
- Polyoxyethylene 15:07
- Protein 41:161
- Redox-System 9:365
- Triton-X-100 15:07

Modified-Electrode
- Artificial-Electron-Acceptor 46:185
- Catalysis 46:185
- Cyclic-Voltammetry 27:381
- Ferredoxin 27:381
- Lipid-Bilayer 27:381
- Monoamine-Oxidase 46:185
- NADH 33:71
- Oxidation 33:71
- Tetracyanoquinodimethane 33:71

Modulated-Electrochemical-Work 20:195

Modulation
- Bacteriorhodopsin 36:61
- Calcium-Dependence 35:57, 43:233
- Cell-Free 43:233
- Conformational-Change 48:361
- Correlated-Electrostatic-Interaction 48:361
- Electric-Oscillation 36:61
- Electric-Response 32:27
- Electrochemical-Membrane-Potential 17:261
- Enzyme 35:57
- Hydration 48:361
- Ion-Dynamics 35:71
- Ion-Permeability 13:255
- Light 32:27
- Light-Driven 36:61
- Lipid-Impregnated 36:61
- Lipid-Membrane 13:255
- Mechanism 35:71
- Mitochondrium 17:261
- Multilayer 48:361
- Myosin 35:57, 43:233
- Phosphatidyl-Serine 48:361
- Phosphorylation 35:57, 43:233
- Photochromic-Membrane 32:27
- Porous-Membrane-Filter 36:61
- Potential-Well 35:71
- Preparation 35:57, 43:233
- Proton-Pump 36:61
- Static-Magnetic-Field 35:57
- Sulfhydryl-Reagent 17:261
- Surface-Aggregate 13:255
- Thermal-Noise 35:71
- Weak-Magnetic-Field 35:71
- Weak-Static-Magnetic-Field 43:233

Modulation |Single-Pulse-Induced-» 48:423

Molecular-Biology 46:145

Molecular-Chain 48:297

Molecular-Change 46:121

Molecular-Charge 24:263

Molecular-Contact 48:435

Molecular-Control 16:159

Molecular-Event 5:315

Molecular-Framework 12:543

Molecular-Mechanism
- Cytochrome-Oxidase 22:91
- Evolution 21:03
- Gated 16:341
- Ion-Channel 16:341
- Oxygen 21:03
- Photosynthesis 21:03

Molecular-Oxygen 2:69

Molecular-Recognition
- Amperometric-Biosensor 45:27
- Cytochrome 42:249

- Photosystem-I 42:249
- Plastocyanin 42:249
- Reaction-Mechanism 42:249
- Real-Time-Analysis 45:27
- Reduction 42:249

Molecular-Structure 39:227
Molecular-Wire 42:25
Molecule
- Bioactive 20:33
- Biological-Importance 8:459
- Coordination 20:33
- Digitized-Videomicroscopy 31:237
- Electroloaded-Cell 31:237
- Exogenous-Release 31:237
- Exogenous-Uptake 31:237
- Metal-Ion 20:33
- Online-Analysis 8:459
- Voltammetry 8:459

Molt-4-T-Lymphoblastoid-Cell 45:103
Molybdate-Ion
- Bovine-Serum-Albumin 10:441, 13:329
- Interaction 10:441, 13:329

Molybdenum(V) 13:07
Molybdenum-Riboflavin 1:162
Moment-Method
- Deposition 30:27, 35:103
- Electromagnetic-Energy 30:27, 35:103
- Living-Tissue 30:27, 35:103
- Numerical-Approach 35:103
- Overconstrained 30:27
- Prediction 35:103

Monensin |Chemically-Modified-» 33:83
Monitoring
- Acetaminophen 12:193
- Alternating-Current 10:133
- Bound 2:93
- Cell-Cycle 45:139
- Circular-Dichroism 2:93
- Damage 45:151
- Electron-Paramagnetic-Resonance-Spectroscopy 2:93
- Enzyme-System 10:133
- Escherichia-Coli 37:77
- Experiment 45:139
- Immobilized 37:77
- Impedance-Spectroscopy 45:139
- In-Vivo 12:193
- Iron-Sulfur-Protein 2:93
- Ischemia 45:151
- Memory 10:133
- Microelectrode 12:193
- Monostable-System 10:133
- Multistable-System 10:133
- Potentiometric-Titration 2:93
- Primate-Species 12:193
- Redox-Mediated 37:77
- Skeletal-Muscle-Tissue 45:151
- Soluble 2:93
- Theory 45:139
- Vapor-Phase 37:77
- Voltammetry 12:193

Monitoring |Direct-» 47:119
Monoamine-Oxidase 46:185
Monobactam-Antibiotics 45:281
Monoclonal-Antibody
- Adsorbed 38:401
- Effective-Production 24:41
- Electrochemical-Property 38:401
- Electrofusion 24:41
- Electropermeabilization 23:65
- Enzyme 38:401
- HC-Antigen 24:41
- Horseradish-Peroxidase 38:401
- Human-Cell-Grown-Monolayer 23:65
- Hybridoma 24:41
- Incorporation 23:65
- Salmonella 24:41
- Secretion 24:41
- Solid-Graphite 38:401

Monoclonal-Progesterone-Antibody 43:35
Monocytic-Cell-Line |Human-» 41:227
Monofunctional-Sulfhydryl-Reagent 26:79
Monolayer
- Acidic-Phospholipid 5:369
- Artificial 38:333
- Association-Constant 9:489
- Bilayer 9:711
- Chlorophyll 38:333
- Diaphorase 33:91
- Dipalmitoyl-Phosphatidylcholine 9:711
- Drug 9:489
- Glass-Surface 33:91
- Head-Group 19:557
- Hydrated-Chlorophyll 29:305
- Interaction 19:557
- Light-Dependent 29:305
- Light-Energy-Conversion 38:333
- Lipid 9:489
- Lipid/Protein-Ratio 5:369
- Membrane-Potential 9:711
- Microvoltammetric-Characterization 33:91
- Mixed-Film 5:369
- Model-Membrane 9:489
- Myelin 5:369
- Oligomer 29:305
- Optically-Transparent 38:333
- Oxygen 29:305
- Permeability 19:557
- Pheophytin 38:333
- Photosynthesis 38:333
- Protein 5:369
- Reduction 29:305
- Structural 5:369
- Structure 19:557
- Surface-Potential 5:369
- Surface-Pressure 9:711
- Temperature-Dependence 9:711
- Tin-Dioxide-Electrode 38:333

Monolayer-Adsorbed-Electrode 1:466
Monolayer-Assembly
- Alkaline-Earth-Ion 29:113
- Calcium-Ion 29:103
- Glutathione 29:103, 29:113
- Gold-Electrode 29:103, 29:113
- Ion-Gate-Response 29:103, 29:113
- pH 29:103
- Potassium-Ion 29:103

Monolayer-Assembly |Mixed-» 27:501
Monolayer-Culture 37:11
Monolayer-Film |Sandwiched-» 48:101
Mononuclear-Cell
- 50-Hz-Sinusoidal-Magnetic-Field 44:121
- Electromagnetic-Field 44:243
- Enhancement 44:243
- Human-Peripheral-Blood 44:121
- In-Vitro 44:121
- Interferon-Gamma 44:121
- Interferon-Gamma-Release 44:243
- Interleukin-6-Release 44:243
- Peripheral-Blood 44:243
- Phytohemagglutinin 44:243
- Stimulation 44:243
- Tumor-Necrosis-Factor-Alpha 44:121

Mononucleotide
- Adenine 3:418
- Adsorption-Stage 3:418
- Cytidine-Monophosphate 7:705
- Cytidine-Triphosphate 7:705
- Interfacial-Behavior 7:705
- Interfacial-Orientation 3:418
- Mercury/Solution-Interface 3:418
- Oligonucleotide 3:418, 7:705
- Voltammetry 7:705

Monoraphidium-Braunii 38:21
Monosaccharide
- Acid-Solution 14:375
- Adatom 14:375
- Anodic-Oxidation 14:375
- Autoxidation 18:283
- Catalysis 12:485
- Comparative-Study 14:375
- Diabetes 18:283
- Electrocatalytic-Influence 14:375
- Heavy-Metal 14:375
- Model-Reaction 18:283
- Modified-Platinum-Surface 12:485
- Nucleotide 18:283
- Oxidation 12:485
- Oxidative-Stress 18:283
- Platinum 14:375
- Protein 18:283
- Underpotential 14:375
- Underpotential-Submonolayer 12:485

Monostable-System 10:133
Morphogenetic-Movement 5:473
Morphohistochemical-Change 14:57
Morphological-Alteration 17:09
Morphological-Change
- 835-MHz-Electromagnetic-Radiation 43:13
- Cultured 20:169
- Electrode-Surface 20:169
- HeLa-Cell 20:169
- Human-Astrocytoma-Cell-Line 43:13
- Inhibition 43:13
- Lysis 20:169
- Potential-Controlled 20:169
- Proliferation 43:13

Morphological-Response 33:121
Morphology 30:127
Mouse
- 60-Hz-Magnetic-Field 24:371
- Antitumor-Effectiveness 43:279
- Aqueous-Solution 5:264
- Blastomere 15:513
- Cancerous-Tissue 45:169
- Cell-Membrane-Potential 17:419
- Changing 39:61
- Chronic-Exposure 38:173
- Comparison 43:279
- Coulokinetic-Behaviour 5:252
- Cyclic-Voltammetry 5:264
- Dihydroxytryptamine 39:249
- Efficacy-Improvement 39:61
- Ehrlich-Ascite-Tumor-Cell 4:171, 5:252, 5:264
- Electrochemical-Oxidation 43:105
- Electrochemotherapy 39:61, 43:279
- Electrode-Orientation 39:61
- Electrofusion 15:513
- Electrooxidation 39:249
- Enzymatic 43:105
- Extremely-Low-Frequency-Magnetic-Field 38:173
- Female 38:173
- Gamma-Radiation 12:555
- Guanosine 43:105
- Humoral-Responsiveness 24:371
- Hydroxyguanosine 43:105
- Immunocompetent 43:279
- Immunodeficient 43:279
- Impedance-Spectroscopy 45:169
- Infected 12:555
- Isolated-Proximal-Tubule 17:419
- LPB-Sarcoma 43:279
- Neurotoxin 39:249
- Normal-Tissue 45:169
- Oxidation-Product 39:249, 43:105
- Perfused 17:419
- Peritubular 17:419
- Potassium-Conductance 17:419
- Pulsed-Magnetic-Field 12:555
- Quinone 4:171, 5:252, 5:264
- Quinone-Compound 5:264
- Rat 15:513
- Reaction-Kinetics 5:264
- Redox-Potential 5:252
- Reproductive-System 38:173
- Sendai-Virus 12:555
- Solid-Tumor 39:61
- Synergistic-Effect 12:555
- Temperature 17:419

Mouse-Diaphragm 17:153
Mouse-Embryo 9:223
Mouse-LS-Fibroblast 20:83
Mouse-Melanoma 36:83
Mouse-Osteoblastic-Cell 47:349
Mouse-Peritoneal-Neutrophil
- Far-Field-Zone-Radiator 43:217
- Inhibition 43:217
- Low-Intensity-Modulated-Millimeter-Wave-Radiation 46:267
- Millimeter-Wave 43:217
- Production 43:217
- Radiation 43:217
- Reactive-Oxygen-Species 43:217, 46:267

Mouse-Tumor-Cell 40:29
Movement 42:117

Multicenter-Clinical-Trial 14:145
Multichannel-Analyzer 34:177
Multicomponent-Redox-System
• Analytical-Representation 7:757
• Cytochrome 7:775
• Potentiometric-Resolution 7:775
• Theoretical-Resolution-Limit 7:757
• Yeast-Mitochondrium 7:775
Multifunctional-Microelectrode 39:115
Multifunctional-Microelectrode-System 45:83
Multilamellar-Liposome 21:279
Multilayer
• Avidin–Biotin-Interaction 41:127
• Bacterial-Photosynthetic-Membrane 41:127
• Conformational-Change 48:361
• Correlated-Electrostatic-Interaction 48:361
• Hydration 48:361
• Immobilized 41:127
• Modulation 48:361
• Orientation 41:127
• Phosphatidyl-Serine 48:361
• Preparation 41:127
• Solid-Surface 41:127
Multilayer-Stacking 33:135
Multiple-Cell-Generation 43:83
Multiquanta 48:297
Multistable-System 10:133
Multistep-Therapy 7:685
Multivariate-Calibration
• Artificial-Neural-Network 39:185, 40:99
• Biological-Cell-Suspension 40:99
• Deconvolution 39:185
• Dielectric-Spectra 39:185
• Metabolic-Substrate 40:99
• Microbial-Cell-Suspension 39:185
• Nonlinear-Dielectric-Spectroscopy 40:99
• Principle 40:99
• Rapid-Noninvasive-Quantification 40:99
Murine-Embryonic-Cell 21:149
Murine-Melanoma 47:129
Murine-Neuro-Blastoma-Cell 17:429
Murine-Retrovirus 44:279
Muscle |Artificial-»
• Bilayer 42:117
• Conducting-Polymer 38:411
• Dimension 42:117
• Movement 42:117
Muscle-Activation 43:257
Muscle-Tear 14:179
Mushroom-Tyrosinase 29:19
Mutagen-Sensitive-Mutant 36:95
Mutagenesis 43:227
Mutant
• Adrenodoxin 47:75
• Bacteriorhodopsin 44:37
• Demethyl-Retinal-Analog 44:37
• Direct-Electron-Transfer 47:75
• Langmuir-Blodgett-Film 44:37
• Modified-Gold-Electrode 47:75
• Optical-Property-Electrical-Property 44:37
• Protein 47:75
Mutarotase 11:155
Mutation
• 50-Hz-Electromagnetic-Field 30:133
• CFTR-Gene 48:415
• Detection 48:415
• DNA 30:133
• Time-Resolved-Fluorescence-Method 48:415
Mutual-Cell-Attraction 26:193
Mutual-Relationship 41:31
Myc-Expression 44:111
Mycobacterial-Cell |Intact-» 25:285
Mycogone-Rosea 39:295
Mycotypha-Africana 27:281
Myelin
• Acidic-Phospholipid 5:357, 5:369
• Lipid/Protein-Ratio 5:369
• Mixed-Film 5:357, 5:369
• Monolayer 5:369
• Protein 5:357, 5:369
• Structural 5:357, 5:369
• Surface-Potential 5:357, 5:369
• Theory 5:357
Myocardial-Infarction 47:231
Myoglobin
• Azaheme 46:175
• Mesoheme 46:175
• Oxygen 41:217
• Reconstituted 46:175
Myosin
• ATP-Synthetase 32:155
• ATPase 32:155
• Calcium-Dependence 35:57, 43:233
• Cell-Free 43:233
• Cell-Free-Preparation 30:119
• Enzyme 35:57
• Low-Power-Laser 32:155
• Modulation 35:57, 43:233
• Phosphorylation 30:119, 35:57, 43:233
• Preparation 35:57, 43:233
• Pulsed-Electromagnetic-Field 32:155
• Static-Magnetic-Field 35:57
• Weak-Low-Frequency-Sinusoidal-Direct-Current-Magnetic-Field 30:119
• Weak-Static-Magnetic-Field 43:233
Na-23 18:179
Na-K-ATPase
• Alternating-Current 22:313, 24:51
• ATP-Hydrolysis 7:353
• Bimolecular-Lipid-Membrane 7:353
• Catalyzed 7:353
• Cell 30:85
• Channel-Process 38:275
• Electric-Charge 7:353
• Electric-Coupling 14:339
• Electric-Field-Effect 28:291
• Electromagnetic-Field 40:63
• Electromagnetic-Field-Effect 30:85
• Flux 7:353
• Free-Energy 5:582
• Frequency-Dependence 42:231
• Function 22:313, 42:231
• Hydration 5:582
• Interaction 47:247
• Intracellular-Water 5:574, 5:582
• Ion-Activation 24:51
• Ion-Pump-Mechanism 38:275
• Low-Frequency-Magnetic-Field 38:267
• Low-Level-Modulated-Radiofrequency-Radiation 47:247
• Magnetic-Field 42:231
• Membrane-Fragment 28:149
• Microscopic-Viscosity 5:574
• Model 14:327, 30:85
• Orientation 28:149
• Pump–Leak-Relationship 14:327, 14:339
• Sodium-Solute-Uptake 14:339
• Stimulation 40:63
• Temperature-Dependence 28:291
• Threshold 40:63
Na-K-Carrier 33:83
NAD
• Active-Transport 31:271
• Activity 31:271
• Adenine 5:625
• Adenine-Moiety 5:625
• Adenine-Nucleotide 12:279
• Adsorption 8:229
• Aromatic-Amino-Acid 8:569
• Biofuel-Anode-Cell 16:479
• Biological-Relevance 9:379
• Calorimetry 9:379
• Cathodic-Stripping-Voltammetry 12:279
• Charge-Carrier 16:479
• Coenzyme 12:279
• Cofactor-Shuttle 31:271
• Complex 9:379
• Donor–Acceptor-Interaction 9:379
• Dropping-Mercury-Electrode 12:279
• Electrochemical-Reduction 5:388, 8:355
• Electron-Driven 31:271
• Environment 9:365
• Enzyme-Reaction 31:271
• Evolution 31:271
• FAD 8:569
• Gold-Electrode 8:229
• Interaction 8:569
• Intramolecular-Electron-Transfer 5:601
• Kinetics 31:271
• Lewis-Acid 5:388
• Mechanism 9:365
• Mediation 9:365
• Model 9:365, 9:379, 31:271
• Modification 9:365
• NADH 9:365, 31:271
• Phenolic-Structure 9:379
• Polyriboadenylic-Acid 12:279
• Product 8:355
• Proton-Driven 31:271
• Quantitative 9:379
• Reaction 16:479
• Redox-Potential-Gradient 31:271
• Redox-Reaction 31:271
• Redox-System 9:365
• Reduction 5:625
• Spectroscopy 5:601, 9:379
• Theory 5:601
NADH
• Active-Transport 31:271
• Activity 31:271
• Amperometric-Assay 36:157
• Amperometry 13:199
• Amplification 36:157
• Apoenzyme-Signal 36:157
• Aqueous-Solution 1:96
• Biochemical-Property 8:315
• Calculation 13:199
• Calibration-Graph 13:199
• Catalyst 10:485
• Catalytic-Activity 8:257
• Chemical-Oxidation 1:96
• Cofactor-Shuttle 31:271
• Complex 10:485
• Coupling 10:493
• Covalently-Bound 44:45
• Detection 36:157
• Detector 13:199
• Dopamine 44:45
• Electrocatalytic-Oxidation 44:45
• Electrochemical-Oxidation 1:96
• Electrochemical-Reactivity 8:257
• Electron-Driven 31:271
• Electrooxidation 24:347
• Environment 9:365
• Enzyme-Reaction 31:271
• Enzyme-Reactor 13:199
• Ethioporphyrin 10:485, 10:493
• Evolution 31:271
• FAD 36:157
• Flow-Injection-Analysis 13:199
• Gold-Electrode 44:45
• High-Peak-Power-Ruby-Laser 8:315
• Immobilized-Dehydrogenase 13:199
• Iron(III)-Complex 10:493
• Irradiation 8:315
• Kinetics 31:271
• Low-Power-HeNe-Laser 8:315
• Measurement 13:199
• Mechanism 9:365
• Mediation 9:365
• Metal-Cation 8:257
• Model 9:365, 31:271
• Model-Compound 1:96, 8:257
• Modification 9:365
• Modified-Electrode 33:71
• NAD 9:365, 31:271
• NADH-Dehydrogenase 24:347
• Octane/Water-Interface 10:485, 10:493
• Optical-Property 8:315
• Oxidation 10:485, 33:71
• Oxygen 10:493
• Participation 10:493
• Proton-Driven 31:271
• Purified-Bacillus-Stearothermophilus 24:347
• Redox-Potential-Gradient 31:271
• Redox-Reaction 10:493, 31:271
• Redox-System 9:365

• Reduction 10:485
• Self-Assembled-Cysteamine-Monolayer 44:45
• Tetracyanoquinodimethane 33:71
• Vitamin-K3 10:485
NADH-Dehydrogenase 24:347
NADH-Dehydrogenase-Coenzyme 4:155
NADPH 38:415
$NADP^+$ 27:495
$NADP^+$ |Excited-» 25:371
NAD^+
• Adenine 14:503
• Adenine–Nicotinamide-Dinucleotide 11:299
• Adsorption 11:299
• Analog 33:181
• Bioelectrocatalysis 27:475
• Coenzyme 14:503, 33:181
• Comparative-Study 11:299
• Electrochemical-Reduction 14:503
• Electrochemical-Spectroscopy 33:181
• Mercury/Solution-Interface 11:299
• Methylguanine 33:181
• Model-Compound 9:287
• Participation 14:503
• Redox-Transformation 9:287, 33:181
• Reduction 14:503, 27:475
NAD^+ |Epsilon-» 16:287
NAD^+–NADH-System 3:491
NAD^+-NADP-Development 8:71
Nanosecond-Range 7:167
Naphthoquinone 14:449
Native-Collagen-Fibril-Biosensor 22:241
Natronobacterium-Pharaonis 46:289
Natural-Ionic-Polysaccharide
• Copper-Binding 12:443, 12:455
• Polarographic-Data 12:455
• Potentiometric-Data 12:443
• Spectroscopic-Data 12:443
Natural-Membrane 13:317
Natural-Nucleoside 48:129
Natural-Product 27:105
Natural-Seawater 16:347
Naturally-Transformable-Bacteria 17:269
Neoplasm 30:253
Neoplastic-Tissue 27:23
Nernst–Planck–Poisson-Equation 6:461
Nernst-Plot 48:79
Nerst-Equation 4:298
Nerve
• Cell-Membrane 3:319
• Comparison 5:459
• Current-Injection 3:614
• Direct-Current 5:459
• Electrically-Excitable-Cell 3:614
• Embryonic-Sensory-Ganglia 5:459
• Growth-Factor 5:459
• In-Vitro 5:459
• Measurement 3:614
• Membrane-Resistance 3:614
• Minute-Level 5:459
• Outward-Current 3:319
• Signal-Transmitting 3:614
Nerve-Axon-System 7:25
Nerve-Cell
• Bioelectrical-Parameter 37:39, 37:47
• Electromagnetic-Field 37:39
• Helix-Pomatia 37:39, 37:47
• High-Frequency-Electromagnetic-Field 37:39, 37:47
• Inward-Current-Channel 1:350
• Magnetic-Field 37:39, 37:47
• Membrane-Potential 27:293
• Somatic-Membrane 1:350
• Vineyard-Snail 37:39, 37:47
• Weak-Low-Frequency-Pulsed-Electromagnetic-Field 37:39, 37:47
• Weak-Nonthermic-High-Frequency-Electromagnetic-Field 27:293
Nerve-Membrane
• Colored 8:179
• Phase-Transition 8:179
• Surface-Charge 3:222
• Voltage-Noise 8:179
Nerve-Regeneration 29:121
Nervous-Excitability 3:209
Nervous-System 2:13
Nervous-System |Central-» 38:247
Nervous-System |Peripheral-» 38:247
Nesosteine 17:339
Netropsin 9:245
Network-Equation 4:275
Neural-Net-Dynamics 48:339
Neural-Network |Artificial-»
• Biological-Cell-Suspension 40:99
• Deconvolution 39:185
• Dielectric-Spectra 28:425, 39:185
• Fitting 28:425
• Metabolic-Substrate 40:99
• Microbial-Cell-Suspension 39:185
• Multivariate-Calibration 39:185, 40:99
• Nonlinear-Dielectric-Spectroscopy 40:99
• Principle 40:99
• Rapid-Noninvasive-Quantification 40:99
Neuraminidase-Treatment 7:41
Neurite-Outgrowth |Magnetic-Field-Induced-» 39:77
Neuritic-Outgrowth 12:243
Neuroblastoma-Cell
• Electroporation 31:259
• Excised-Membrane-Patch 31:259
• Single-Pore 31:259
• Sodium-Channel 26:107
Neuroendocrine-Cell 38:251
Neuroendocrine-Related-Promotion 29:255
Neuroleptics 12:413
Neuron 38:255
Neuron |Cultured-» 29:193
Neuron-to-Microelectrode-Junction 38:255
Neuronal-Cell
• Membrane-Potential 38:297
• Mobile-Telecommunication-Equipment 47:199
• Modeling 47:199
• Oxidative-Stress 38:297
• Potassium-Channel 38:297
• Radiofrequency-Field 47:199
Neuronal-Membrane
• Calcium-Channel 7:195, 7:421
• Gating-Current 7:421
• Helix-Pomatia 3:169
• Outward-Current 3:169
• Potassium-Activity 3:169
Neuropeptide 42:123
Neurotoxin
• Dihydroxytryptamine 39:249
• Electrooxidation 39:249
• Methyl-Phenyl-Tetrahydropyridine 19:477
• Mouse 39:249
• Oxidation-Product 19:477, 39:249
Neurotransmitter
• Analytical-Application 38:229
• Conducting-Organic-Polymer-Electrode 38:229
• Electrocatalysis 38:229
• Fast-Cyclic-Voltammetry 38:289
• Measurement 38:289
• Real-Space 38:289
• Real-Time 38:289
Neurulation 5:473
Neutral-Buffer-Solution 25:121
Neutral-Condition 23:227
Neutral-Form 23:17
Neutral-Media
• Acid 11:279
• Araboascorbic-Acid 11:279
• Ascorbic-Acid 14:469
• Comparative-Study 14:469
• Dihydroxyfumaric-Acid 14:469
• Electrooxidation 11:279
• Gold-Electrode 11:279
• Mercury-Electrode 14:469
Neutral-Membrane 4:298
Neutrophil-Response 21:63
Nicardipine 34:13
Nickel
• ATP 2:321
• Base 19:441
• Binding 2:321
• Cadmium 6:337
• Cobalt(II) 6:337
• Complexation 6:337, 19:441
• Copper 6:337
• Equilibrium 2:321
• Helical-Transition 19:441
• Imidazole 6:337
• Manganese(II) 19:441
• Physiological-Condition 6:337
• Polarographic-Determination 2:321
• Polarography 19:441
• Potentiometry 6:337
• Proton 6:337
• Rate-Constant 2:321
• Stacking-Interaction 19:441
• Zinc 6:337
Nickel-Tetraphenylporphyrin 11:359
Nicotinamide-Coenzyme 29:215
Nicotinamide–NAD-Sequence 1:147
Nicotinic-Acetylcholine-Receptor 21:71
Nifurtimox
• Biological-Evidence 43:151
• Electrochemical-Evidence 38:355
• Nitro-Radical-Anion 38:355, 43:151
• Trypanosoma-Cruzi 43:151
Nile-Blue-A-Labeled-Biotin 41:167
Nitella-Cell 7:405
Nitrate
• Bioelectrocatalyzed-Reduction 29:29
• Enzyme-Electrode 29:29
• Modified-Biocatalyst-Electrode 45:67
• P-Denitrificans 45:67
• Polythiophene-Bipyridinium 29:29
• Whole-Cell 45:67
Nitrate-Reductase 22:355
Nitrate-Uptake |OH–/H+-Dependent-» 25:213
Nitrate/Nitrite-Respiration 39:13
Nitric-Oxide
• Amperometric-Sensor 43:19
• Biological-Sample 46:33
• Electrochemical-Determination 46:33
• Electron-Transfer 39:155
• Mechanism 39:155
• Melanoma-Cell 43:19
• NO-Production 43:19
• Regulatory-Action 39:155
• Superoxide 46:33
Nitro-Radical-Anion
• Biological-Activity 46:21
• Biological-Evidence 43:151
• Dimethoxy-Nitrobenzene 46:21
• Electrochemical-Evidence 38:355
• Electrochemical-Reduction 46:21
• Generation 46:21
• Glutathione 34:13
• Interaction 34:13
• Kinetic-Parameter 34:13
• Nicardipine 34:13
• Nifurtimox 38:355, 43:151
• Trypanosoma-Cruzi 43:151
Nitrogen 3:37
Nitrogen-Atom 48:321
Nitrogen-Donor-Atom
• Complex-Formation 9:627, 9:639
• Copper-Phenanthroline-Complex 9:627, 9:639
• Electrode-Behavior 9:627, 9:639
• Ligand 9:627, 9:639
• Oxygen-Donor-Atom 9:627, 9:639
• Pi-Acid 9:627, 9:639
• Secondary-Ligand 9:627, 9:639
• Solution 9:627, 9:639
• Ternary-Complex 9:627, 9:639
Nitrogen-Source
• Cell-Growth 38:169
• Electrophoretic-Mobility 38:169, 46:55
• Salt-Effect 38:169
• Synechococcus-Plasmalemma-Vesicle 38:169, 46:55
• Variation 46:55
Nitroxyl-Free-Radical 48:233
NMR 7:749

NO-Production 43:19
Noble-Metal-Electrode 2:13
Noise 5:97
Non-Complementary 5:635
Nonaqueous-Solvent 5:276
Nonenzymatic-Transformation 36:47
Noninvasive-Approach 47:325
Noninvasive-Reconstruction 30:55
Noninvasive-Technique 12:03
Noninvasive-Treatment 13:485
Nonionizing-Radiation
- Cell-Proliferation-Change 36:109, 44:251
- Environmental 36:109, 44:251
- Extremely-Low-Frequency-Electromagnetic-Field 36:109
- Microwave-Radiation 44:251

Nonlinear 35:39
Nonlinear-Boundary-Condition 38:321
Nonlinear-Dielectric-Property
- Biological-System 24:83, 25:395
- Dual-Frequency 25:395
- Excitation 25:395
- Micrococcus-Luteus 26:423
- Obligately-Aerobic-Bacterium 26:423
- Respiratory-Activity 26:423
- Rhodobacter-Capsulatus 29:205
- Saccharomyces-Cerevisiae 24:83
- Saccharomyces-Cerevisiae-Suspension 25:395

Nonlinear-Dynamics 48:325
Nonlinear-Ionic-Flux 16:89
Nonlinear-Kinetic-Model 15:193
Nonlinear-Response 17:193
Nonlinearity
- Artificial 32:45
- Current-Induced-Voltage-Response 32:45
- Current–Voltage-Characteristics 34:61
- Electron-Receptor 32:45
- Gramicidin 34:61
- Gramicidin-Channel 34:61
- Green-Alga 32:45
- Hydrodictyon-Reticulatum 32:45
- Membrane 32:45
- Structure 34:61

Nonspherical-Cell 31:131
Nonthermal-Bioeffect 48:349
Nonthermal-Effect
- Cell-Proliferation 48:177
- Extremely-Low-Frequency-Field 30:93
- Interaction 30:93
- Radiofrequency-Field 48:177
- Transmembrane-Ionic-Flux 30:93

Noradrenaline-Release |Electric-Stimulation-Induced-» 38:281
Normal
- Alternating-Current-Electric-Field 27:373
- Characterization 18:137
- Deformation 27:373
- Dynamic-Gamma-Camera 46:241
- Electrochemically-Oxidizable-Component 18:137
- Electropermeabilization 46:241
- Exponential-High-Voltage-Pulse 46:241
- Fused 27:373
- Glioma-Bearing-Rat 46:241
- Hematopoietic-Blast 27:373
- Human-Fibroblast 27:19
- In-111-Bleomycin-Complex 46:241
- In-Vivo 46:241
- Pathological 18:137
- Photodynamic-Laser-Therapy 27:19
- Transformed 27:19
- Transmembrane-Potential-Measurement 27:19
- Urine 18:137

Normal-Hexylamine 16:317
Normal-Human 14:215
Normal-Pulse-Polarographic-Wave-Height 4:361
Normal-Tissue
- Cancerous-Tissue 45:169
- Impedance-Spectroscopy 45:169
- Mouse 45:169
- Neoplastic-Tissue 27:23
- Resting-Potential 27:23
- Transformed 27:23
- Transmembrane-Potential-Difference 27:23

Notophthalmus-Viridescens 3:99
Nuclear-Envelope 25:357
Nuclear-Magnetic-Resonance 33:95
Nuclear-Magnetic-Resonance |23Na-» 33:83
Nucleic-Acid
- Base 19:425
- Carbon-Electrode 8:437
- Charged-Interface 5:314
- Charged-Surface 7:317
- Complexation 19:425
- Component 11:449, 19:425
- Differential-Pulse-Polarography 11:449
- DNA 7:317
- Double-Helix 7:317
- Electrochemical-Oxidation 7:69
- Electrode-Process 14:417
- Electrode/Solution-Interface 5:314
- Enzymatic-Cleavage 48:477
- Graphite-Electrode 7:69
- Interaction 7:317, 19:95
- Interfacial-Behavior 7:267
- Ionic-Strength-Dependence 19:95
- Mercury-Electrode 7:317
- Model 5:314, 19:95
- Nucleoprotein 14:417
- pH-Dependence 7:317
- Phosphate 19:425
- Polarography 7:267
- Potential-Dependence 7:317
- Protein 7:69, 14:417, 19:95
- Qualitative-Aspect 7:69
- Quartz-Crystal-Microbalance 48:477
- Real-Time-Monitoring 48:477
- Simulation 19:95
- Structural-Change 7:317
- Transition-Metal-Ion 19:425
- Voltammetry 8:437

Nucleic-Acid-Base
- Adsorption 5:635, 8:125
- Comparative-Study 38:359
- Complementary 5:635
- Gold-Electrode 8:125
- Interfacial-Behavior 38:359
- Mercury/Solution-Interface 5:635
- Mixture 5:635
- Non-Complementary 5:635
- Nucleoside 8:125
- Nucleotide 8:125
- Specular-Reflectivity-Measurement 8:125
- Structural-Effect 8:125
- Thio-Group 38:359

Nucleic-Acid-Modified 44:227
Nucleoprotein
- Electrode-Process 14:417
- Nucleic-Acid 14:417
- Polarography 3:359
- Poly-Electrolyte-Property 8:33
- Protein 3:359, 14:417

Nucleoside
- Adenosine 8:523
- Adsorption 8:125
- Antineoplastic-Agent 28:417
- Copper 39:55
- Copper-Complex 45:267
- Cytarabine 28:417
- Cytidine 8:523, 28:417
- Cytosine 45:267
- Differential-Pulse-Polarography 28:417
- Electrochemical-Examination 8:523
- Gold-Electrode 8:125
- Guanosine 8:523
- Interaction 8:523
- Isomer 28:417
- Nucleic-Acid-Base 8:125
- Nucleotide 8:125
- Purine 39:55
- Purine-Base 39:55
- Specular-Reflectivity-Measurement 8:125
- Structural-Effect 8:125
- Voltammetry 39:55, 45:267

Nucleotide
- Adenine 1:136
- Adenine-Nucleotide 9:23
- Adsorption 8:125
- ATP-Magnesium-Salt 9:31
- Autoxidation 18:283
- Binding 9:31
- Cetyltrimethylammonium-Bromide 9:23
- Conformation 7:125
- Diabetes 18:283
- DNA-Damage 48:329
- Gold-Electrode 8:125
- Hydrocarbon/Water-Interface 9:23, 9:31
- Hydrogen-Ion-Activity 9:31
- Interaction 9:23
- Long-Range-Interaction 48:329
- Model-Reaction 9:23, 9:31, 18:283
- Monosaccharide 18:283
- Nucleic-Acid-Base 8:125
- Nucleoside 8:125
- Oxidative-Stress 18:283
- Peculiarity 48:329
- Polarography 1:136
- Protein 18:283
- Solution/Electrode-Interface 7:125
- Sorption 9:23, 9:31
- Specular-Reflectivity-Measurement 8:125
- Structural-Effect 8:125
- Unbuffered-Dioxane-Solution 1:136

Nucleotide-Triphosphate 19:541
Nucleus
- Cytoplasm 40:67
- Dielectric-Behavior 38:123
- Diffusion 38:123
- Human-Fibroblast 40:67
- Microelectrode 40:67
- Spherical-Cell-Suspension 38:123
- Transmembrane-Potential 40:67

Nujol 33:61
Null-Current-Method 37:109
Null-Point 11:353
Numerical-Analysis
- Accuracy 36:115
- Controlled-Potential 14:293
- Dielectric-Parameter 36:115
- Electrolysis 14:293
- Electrorotation 36:115
- Experimental-Condition 36:115
- Membrane-Coated-Electrode 14:293

Numerical-Approach 35:103
Numerical-Calculation
- Biological-Cell 42:221
- Biological-Tissue 35:115
- Comparison 35:115
- Electric-Field 42:221
- Electromagnetic-Field-Parameter 35:115
- Three-Dimensions 42:221

Numerical-Modeling 43:271
Numerical-Wound-Model 43:265
$O_2/O_2^{\cdot-}$-Redox-Couple 31:289
Octane/Water-Interface
- Adsorbed 11:167
- Adsorption 10:477
- Catalyst 10:485
- Catalytic-Property 10:477
- Chlorophyll 11:167
- Complex 10:485
- Control 9:551
- Coupling 10:493
- Ethioporphyrin 10:485, 10:493
- Halogen-Anion 9:551
- Hydrophobic 9:551
- Iron(III)-Complex 10:493
- Iron-Coproporphyrin-III-Complex 10:477
- NADH 10:485, 10:493
- Oxidation 10:485
- Oxygen 10:493
- Oxygen-Evolution 11:167
- Participation 10:493
- Porphyrin 9:551
- Redox-Reaction 10:493
- Reduction 9:551, 10:485
- Specific-Adsorption 9:551
- Vitamin-K3 10:485

Odor-Compound 21:343
OH-Radical 22:323
OH^- 19:359
Oil/Water-Interface
- Chemical-Energy 5:134

- Chemical-Reaction 9:583
- Direct-Conversion 5:134
- Drug-Ion-Transfer 31:65
- Mechanical-Energy 5:134
- Oscillating-Potential-Difference 9:583
- Pharmacological-Activity 31:65
- Variation 9:583

Oil/Water-Interface |Polarized-»
- Electrostatic-Interaction 36:53
- Hydrolytic-Activity 34:93, 36:53
- Phosphatidylcholine-Monolayer 34:93
- Phospholipase 34:93, 36:53
- Plant 34:93
- Streptomyces-SPP 34:93

Olfactory 36:127
Oligolamellar-Liposome 21:279
Oligomer 29:305
Oligomeric-Equilibria 17:349
Oligonucleotide
- Adenine 3:418
- Adsorption-Stage 3:418
- Cytidine-Monophosphate 7:705
- Cytidine-Triphosphate 7:705
- Interfacial-Behavior 7:705
- Interfacial-Orientation 3:418
- Mercury/Solution-Interface 3:418
- Mononucleotide 3:418, 7:705
- Voltammetry 7:705

Oligosaccharide-Dehydrogenase 24:365
Omeprazole 28:443
One-Electron-Acceptor 18:79
One-Electron-Reduction 25:371
Online-Analysis 8:459
Onset-Criteria 15:229
Open-Circuit-Potential-Decay 16:213
Open-Ended-Coaxial-Probe 47:325
Operating-Principle 39:67
Optical-Property
- Amino-Acid 2:154
- Biochemical-Property 8:315, 10:185
- Electric-Property 2:154
- He-Ne-Laser 10:185
- High-Peak-Power-Ruby-Laser 8:315
- Irradiation 8:315, 10:185
- Low-Power-HeNe-Laser 8:315
- NADH 8:315
- Protein 2:154
- Quinone-Complex 2:154
- Rat-Liver-Mitochondrium 10:185

Optical-Property-Electrical-Property 44:37
Optically-Coupled 5:686
Optically-Transparent
- Artificial 38:333
- Biological-Redox-System 6:577
- Chlorophyll 38:333
- Light-Energy-Conversion 38:333
- Monolayer 38:333
- Pheophytin 38:333
- Photosynthesis 38:333
- Thin-Layer-Electrode-Technique 6:577
- Tin-Dioxide-Electrode 38:333

Optobioelectronic-Device 42:43
Oral-Mucosa 45:157
Organ 45:145
Organelle
- Electrokinetics 32:165
- Electrophoresis 25:225
- Plant-Cell 25:225, 32:165

Organic-Cation 4:117
Organic-Counterion 14:479
Organic-Electrosorption 5:185
Organic-Media
- Hemin 1:23, 1:525
- Ligand 1:23, 1:525
- Redox-Property 1:23, 1:525

Organic-Metallic-Complex 4:18
Organic-Molecule 48:69
Organic-Peroxide 18:263
Organic-Phase 47:25
Organic-Reaction 2:251
Organic-Substance 11:365
Organic/Aqueous-Interface 25:71
Organism
- Antibiotics 21:161
- Comparison 21:161
- Gram-Positive 21:161
- In-Vitro 21:161
- Lipoic-Acid 21:161
- Macrolide 21:161
- Polyphasic-Liquid-Crystal 41:81
- Potentiometry 21:161
- Susceptibility 21:161

Organization 12:375
Organogel 38:25
Organophosphorus-Inhibitor 26:237
Orientation
- 150-MHz-Frequency 27:413
- Alternating-Current-Electric-Field 25:31
- Alternating-Current-Electromagnetic-Field 27:413
- Avidin–Biotin-Interaction 41:127
- Bacterial-Photosynthetic-Membrane 41:127
- Bioeffect 43:239
- Bound-Water-Molecule 43:239
- Dynamical-System 43:239
- Elongated-Cell 27:413
- Immobilized 41:127
- Ion-Binding 43:239
- Larmor-Precession 43:239
- Membrane-Fragment 28:149
- Mercury/Solution-Interface 26:359
- Model 43:239
- Multilayer 41:127
- Na-K-ATPase 28:149
- Pea-Chloroplast 25:31
- Photoreceptor-Cell 46:237
- Preparation 41:127
- Solid-Surface 41:127
- Static-Electric-Field 46:237
- Surface-Activity 26:359
- Thiobarbituric-Acid 26:359
- Voltammetry 26:359
- Weak-Magnetic-Field 43:239

Oriented 19:371
Origin 41:101
Ornithine-Decarboxylase
- 50-Hz-Magnetic-Field 36:01, 43:169
- Cell 46:301
- Chick-Embryo 43:91
- Chromosome-Aberration 36:01
- Coherence-Time-Effect 46:301, 46:303
- Dose-Response 48:193
- Electromagnetic-Field 46:301, 46:303, 48:193
- Electromagnetic-Field-Induced-Activity 44:237
- Growth-Related-Enzyme 36:01
- Human-Amniotic-Cell 36:01
- Increase 46:301
- Intermittent-Noise 44:237
- Jurkat-Cell 43:169
- Low-Frequency-Electromagnetic-Field 43:91
- Polyamine 43:169

Oscillating-Chemical-Reaction
- Asymmetric-Potential 2:314
- Briggs–Rauscher-Reaction 11:435
- Catalyst-Concentration 4:54
- Electrochemical-Methodology 11:435
- Electrochemical-Property 4:54
- Entropy-Production 8:201
- Symmetrical-Electrode 2:314

Oscillating-Potential-Difference 9:583
Oscillating-System 13:287
Oscillation
- Adenine-Nucleotide 48:149
- Aggregating-Amoebae 48:149
- Buffering 46:79
- Calcium-Ion 46:79
- Constant-Voltage 43:143
- Dictyostelium-Discoideum 48:149
- Domain-Structure 48:311
- Electromagnetic-Field 48:311
- Endoplasmic-Reticulum 46:79
- Intracellular-Calcium 46:161
- Lipid 48:311
- Low-Frequency-Field 46:161
- Magnitude 46:161
- Michaelian-Enzyme-System 19:247
- Mixed-Membrane 48:311
- Modeling 46:79
- Oscillator 46:161
- Periodic-Forcing 46:161
- Protein-Size 46:79
- Pulsating-Membrane-Crossing 15:505
- Sequestering 46:79
- Signaling 46:79
- Subcompartment 46:79
- Teorell-Membrane-System 43:143
- Theory 46:161
- Transmembrane-Potential 46:79
- Vesicular-Compartment 12:183
- Weak-Pulsed-Magnetic-Field 48:149

Oscillation |Electric-Field-Induced-» 21:319
Oscillation-Parameter 17:243
Oscillator 46:161
Oscillatory-Bioluminescence 24:249
Oscillatory-Kinetics 7:625
Oscillatory-Phenomena 1:466
Osmosensitivity 5:554
Osmotic-Equilibria 17:223
Osmotic-Pressure 19:217
Osmotic-Shock
- Electroconductive-Membrane 39:89
- Escherichia-Coli 32:287
- Extracellular-Release 39:89
- Extracellular-Status 32:287
- Glutathione 32:287
- Immobilized 39:89
- Microalga 39:89
- Recombinant-Gene-Product 39:89
- Redox-Potential-Change 32:287

Osmotic-State 6:227
Osteogenesis 12:323
Osteonecrosis 30:229
Osteoporosis 14:169
Ouabain 13:39
Outer-Depolarizing-Cation 26:159
Outer-Membrane-Surface 17:429
Outer-Monolayer 20:257
Outward-Current
- Cell-Membrane 3:319
- Helix-Pomatia 3:169
- Nerve 3:319
- Neuronal-Membrane 3:169
- Potassium-Activity 3:169

Overconstrained 30:27
Ovine-Spongiform-Encephalopathy 28:127
Oxalic-Acid
- Carbon-Electrode 9:357
- Cyclic-Voltammetry 9:357
- Enzymatic-Potentiometry 2:348

Oxalis-Pes-Caprae 38:63
Oxidase
- Carbon-Paste-Electrode 47:67
- Electrostimulation 38:415
- Glucose 47:67
- Macrophage 38:415
- Modulated-High-Frequency-Electromagnetic-Field 38:415
- NADPH 38:415
- Reconstituted 47:67

Oxidase-Cofactor 9:307
Oxidation
- Adsorbed 19:337
- Adsorption 5:526
- Alpha-Alanine 25:269
- Ascorbic-Acid 32:277
- Avarone 26:457
- Benzyl-Dihydronicotinamide 26:457
- Beta-Alanine 25:269
- Bilirubin 13:267
- Biologically-Active 26:457
- Carbon-Electrode 7:793
- Carbon-Nanotube-Electrode 41:121
- Catalysis 12:485
- Catalyst 10:485
- Cationic-Medium 26:457
- Complex 10:485
- Controlled-Potential-Method 1:427
- Cyclic-Voltammetry 34:83

- Cyclization 34:83
- Deoxyribonucleic-Acid 7:793
- DOPA 34:83
- Dopamine 41:121
- Electrochemical-Impedance 10:213
- Endotoxin 18:301
- Ethioporphyrin 10:485
- Ferrocyanide 10:213
- Glassy-Carbon-Electrode 5:526
- Glucoside 32:277
- Hemoglobin 19:337
- In-Vivo 1:427
- Initial-Intermediate 10:357
- Intermediate 32:277
- Lewis-Acid 5:526
- Mass-Transfer-Phenomena 10:213
- Measurement 1:427, 10:213
- Mechanism 18:59, 26:457
- Methylated-Tetrahydropterin 10:357
- Methylene-Blue 19:337
- Micellar 26:457
- Model 10:213
- Modified-Electrode 19:337, 33:71
- Modified-Platinum-Surface 12:485
- Monosaccharide 12:485
- NADH 10:485, 33:71
- Nicotinamide-Coenzyme 29:215
- Octane/Water-Interface 10:485
- Para-Benzoquinone-Derivative 26:457
- pH 5:526
- Photosynthesis 12:57
- Platinum-Electrode 25:269
- Polycarbazole-Modified-Electrode 34:83
- Pulse-Radiolysis 32:277
- Quasi-Reversible 19:337
- Quinonoid-Dihydropterin 10:357
- Radiolytic-Scanning 18:59
- Rate-Constant 34:83
- Reduction 1:427, 10:485, 18:59, 19:337
- Rotating-Disk-Electrode 10:213
- Sample-Quality 7:793
- Scanning-Tunneling-Microscopy 29:215
- Spectroelectrochemistry 13:267, 19:337
- Structure 10:357
- Surface-Electrochemistry 25:269
- Surface-Fouling 29:215
- Tetracyanoquinodimethane 33:71
- Tissue 18:301
- Underpotential-Submonolayer 12:485
- Vitamin-C 18:59
- Vitamin-E 18:59
- Vitamin-K3 10:485
- Water 12:57
- Whole-Blood 10:213

Oxidation |Catalytic-»
- Adsorbed-Metal 9:571, 10:251
- Anodic-Oxidation 9:571, 10:251
- Biological-Component 9:571, 10:251
- Catecholamine 10:251
- Glucose 9:571
- Modified-Platinum-Electrode 9:571, 10:251

Oxidation |Chemical-» 11:03

Oxidation |Electrochemical-» 11:03

Oxidation |Enzymatic-» 11:03

Oxidation-Biochemistry 45:47

Oxidation-Chemistry
- Albino-Mice 45:47
- Biochemistry 33:75
- Biologically-Important 33:75
- Indole 45:47
- Indoleamine 33:75
- Oxidation-Biochemistry 45:47
- Oxidation-Product 45:47
- Purine 33:75

Oxidation-Kinetics 22:341

Oxidation-Product
- Albino-Mice 45:47
- Dihydroxytryptamine 39:249
- Electrochemical-Oxidation 43:105
- Electrooxidation 39:249
- Enzymatic 43:105
- Guanosine 43:105
- Hydroxyguanosine 43:105
- Indole 45:47
- Methyl-Phenyl-Tetrahydropyridine 19:477
- Mouse 39:249, 43:105
- Neurotoxin 19:477, 39:249
- Oxidation-Biochemistry 45:47
- Oxidation-Chemistry 45:47

Oxidation-Reduction 17:369

Oxidative-Phosphorylation
- Cytochrome-Oxidase 13:235
- Electrochemical-Model 9:663, 16:245
- Energy-Transduction 5:296
- Kinetics 16:245
- Mechanism 5:296
- Mitochondrium 13:235
- Redox-System 5:296

Oxidative-Stress
- Autoxidation 18:283
- Diabetes 18:283
- Membrane-Potential 38:297
- Model-Reaction 18:283
- Monosaccharide 18:283
- Neuronal-Cell 38:297
- Nucleotide 18:283
- Potassium-Channel 38:297
- Protein 18:283

Oxide-Anion 38:45

Oxide-Covered 17:59

Oxidized-Intermediate 38:85

Oxidizing-Ability 29:277

Oxidizing-Site 28:205

Oxidoreductase 25:425

Oxonol-VI 16:55

Oxovanadium(V)-Anion 10:289

Oxygen
- Activation 18:29
- Amperometric-Sensor 33:165
- ATP-Production 12:167
- Autoxidation 18:29
- Bioelectrochemical-Reaction 7:787
- Bioenergetics 28:31
- Biological-Interphase 7:787
- Cathodic-Reduction 6:393
- Chemical-Coupling 12:167
- Coupling 10:493
- Direct-Measurement 33:165
- Double-Function 28:31
- Electrocatalysis 4:18, 6:393
- Ethioporphyrin 10:493
- Evolution 21:03
- Hydrated-Chlorophyll 29:305
- Iron(III)-Complex 10:493
- Laccase 6:393
- Lepidopterous-Pupae 33:165
- Light-Dependent 29:305
- Living-System 18:29
- Metal-Complex 18:29
- Miniaturized 33:165
- Molecular-Mechanism 21:03
- Monolayer 29:305
- Myoglobin 41:217
- NADH 10:493
- Octane/Water-Interface 10:493
- Oligomer 29:305
- One-Electron-Acceptor 18:79
- Organic-Metallic-Complex 4:18
- Participation 10:493
- Photosynthesis 21:03
- Reaction 18:79
- Redox-Reaction 10:493
- Reduction 4:18, 12:167, 29:305
- Tetrahydropterin 18:79
- Tracheal-System 33:165
- Transference 7:787

Oxygen |Bonded-» 45:287

Oxygen |Dissolved-» 18:13

Oxygen |Maximum-of-» 9:761

Oxygen-Binding 3:480

Oxygen-Binding-Capacity 7:685

Oxygen-Binding-Property 1:118

Oxygen-Carrier 7:291

Oxygen-Consumption 7:55

Oxygen-Controlled-Production 24:249

Oxygen-Donor-Atom
- Complex-Formation 9:627, 9:639
- Copper-Phenanthroline-Complex 9:627, 9:639
- Electrode-Behavior 9:627, 9:639
- Ligand 9:627, 9:639
- Nitrogen-Donor-Atom 9:627, 9:639
- Pi-Acid 9:627, 9:639
- Secondary-Ligand 9:627, 9:639
- Solution 9:627, 9:639
- Ternary-Complex 9:627, 9:639

Oxygen-Evolution
- Activation-Energy 23:249
- Adsorbed 11:167
- Chlorophyll 11:167
- Octane/Water-Interface 11:167
- Photosynthesis 23:249
- Theory 23:249

Oxygen-Evolving-Reaction 16:549

Oxygen-Radical 22:323

Oxygen-Reduction 9:299

Oxygen-Toxicity 18:105

Oxygen-Transport 7:685

Oxyhemoglobin 45:287

Oxyradical 18:03

Oxytocin 2:215

P-Denitrificans 45:67

PABA 9:541

Pacemaker 2:106

Pacemaker-Cell 17:559

Packed-Bed 21:99

Pain 14:183

Paired-Cell-Alignment 34:199

Pairwise-Pi-Stacking 46:15

Palmitic-Acid 27:465

Palmitoyl-Derivative 18:163

Pamamycin 39:295

Pancreatic-Trypsin |Bovine-»
- Binding 10:289
- Bovine-Serum-Albumin 10:57, 10:289
- Comparison 10:57
- Human-Serum-Albumin 10:289
- Oxovanadium(V)-Anion 10:289
- Vanadium(V) 10:57

Panosialin 46:151

Para-Aminobenzene-sulfonamide 8:223

Para-Aminobenzoic-Acid 9:541

Para-Aminophenol-Ester 7:11

Para-Benzoquinone-Derivative 26:457

Paracetamol 33:101

Paracoccus-Versutus 45:293

Paracrystalline-Oligomer 41:39

Paraelectricity 14:29

Parallel 15:103

Parallel-Mechanism 19:09

Paramagnetic-Attraction 30:181

Paramagnetic-Ion 7:405

Paramagnetic-Resonance 7:405

Paramecium 11:373

Parameter 48:485

Parameter-Determination 43:271

Pardaxin 29:315

Parent-Compound 16:371

Parsley-Seed 27:199

Partial-Delipidation 38:111

Participation
- Adenine 14:503
- Coenzyme 14:503
- Coupling 10:493
- Electrochemical-Reduction 14:503, 21:367
- Ethioporphyrin 10:493
- Functioning 21:367
- Iron(III)-Complex 10:493
- NADH 10:493
- NAD^+ 14:503
- Octane/Water-Interface 10:493
- Oxygen 10:493
- Pheophytin 21:367
- Photosystem-II 21:367
- Redox-Reaction 10:493
- Reduction 14:503

Particle
- Arbitrarily-Shaped 40:167
- Biological-Cell 40:167
- Coulter-Counter 6:349
- Dielectric-Behavior 40:167
- Electric-Breakdown 6:349
- Homogeneous-Electrical-Field 6:349
- Living-Cell 6:349
- Model 6:349
- Shape-Effect 40:167

Particle-Interface 38:321

Partition-Coefficient 9:117

Passive
- Antitumor-Antibiotics 17:81
- Constant-Magnetic-Field 14:495

• Daunomycin 17:81
• Electric-Investigation 17:81
• Electric-Property 14:495
• Human-Erythrocyte-Membrane 17:81
• Red-Blood-Cell 14:495
• Violamycin-B-I 17:81
Passive-Electric-Property-Change
• Adriamycin-Treated 26:177
• Cell-Volume-Fraction 47:81
• Conductivity 47:81
• Dielectric-Spectroscopy 26:177
• Red-Blood-Cell-Suspension 47:81
• Red-Cell-Membrane 26:177
• Relaxation-Time-Distribution 47:81
Passive-Electrical-Property 39:01
Passive-Transport 19:359
Patch-Clamp 43:41
Pathological 18:137
Pathological-Bone-Lesion 27:321
Pathway 44:103
Patient
• Bowel-Cancer 13:103
• Complex 13:103
• Dielectric-Constant 13:103
• Human-Serum 13:103
• Immunomodulating-Effect 30:327
• Microwave 30:327
• Protein-Bound 13:103
• Systemic-Lupus-Erythematosus 30:327
• Ultrahigh-Frequency-Electric-Field 30:327
• Water 13:103
Pattern 46:59
PC12-Cell 42:235
Pea-Amine-Oxidase 41:173
Peak
• Alkaline-Phosphate-Solution 13:343
• Electrochemical-Oxidation 13:343
• Generation 19:291
• Liquid-Membrane-System 19:291, 19:301
• Mechanism 19:291
• Membrane-Potential 19:291, 19:301
• Peroxidase-Catalyzed 13:343
• pH-Jump 19:291, 19:301
• Potential 19:301
• Potential-Spike 19:291
• Relaxation 19:301
• Spike 19:291
• Theory 19:301
• Uric-Acid 13:343
• Voltammetric-Oxidation 13:343
Peculiarity 48:329
Penicillinase-Production 7:659
Pentane-Measurement 18:117
Peperomia-Metallica 48:141
Peptide
• Biosensor 22:113
• Catalyzed-Hydrolysis 24:231
• Enzyme 24:231
• Microorganism 22:113
• Peptidyl-Nitroanilide 24:231
• Substrate 24:231
• Synthesis 24:231
• Utilization 22:113
Peptidyl-Nitroanilide 24:231
Perfluorocarbon-Emulsion 7:291
Performance
• Actomyosin 6:135, 6:323
• ATPase-Induced-Increase 6:323
• Biofuel-Cell 3:139
• Brain-Tissue 41:101
• Cellular-Work 6:123, 6:135, 6:323
• Characteristics 3:139
• Construction 3:139
• Cyclic-Differential-Pulse-Voltammetry 38:315
• Electrochemical-Serum-Biosensor 31:311
• Electrode 3:139
• Glucose 3:139
• Kinetics 33:45
• Light-Scattering 6:123, 6:135
• Measurement 6:123, 6:135
• Microelectrode 38:315
• Microviscosity 6:323
• Modified-Carbon-Paste-Electrode 41:101
• Origin 41:101
• Polymer 31:311
• Preadsorption 31:311
• Sarcoplasmic-Reticulum 6:123, 6:323
• Stearic-Acid 41:101
• Surfactant 41:101
• Third-Generation-Biosensor 33:45
• Vesicle 6:123
• Vesicle-Suspension 6:323
• Water 6:123, 6:135, 6:323
Perfused 17:419
Periodic 38:185
Periodic-Field 48:333
Periodic-Forcing 46:161
Peripheral-Arteriopathy 14:207
Peripheral-Blood
• Cell-Membrane 38:129
• Electromagnetic-Field 44:243
• Electropermeabilization 38:129
• Enhancement 44:243
• Interferon-Gamma-Release 44:243
• Interleukin-6-Release 44:243
• Long-Lived-Alteration 38:129
• Mononuclear-Cell 44:243
• Phagocyte 38:129
• Phytohemagglutinin 44:243
• Stimulation 44:243
• Viability 38:129
Peripheral-Blood |Human-» 44:121
Periplasmic-Protein 6:315
Peritoneal-Exudative-Macrophage 40:15
Peritubular 17:419
Permanent-Multiplication 7:685
Permeability
• 915-MHz-Electromagnetic-Radiation 30:293
• Analogy 1:313
• Biomembrane 1:313
• Blood-Brain-Barrier 30:293
• Cadmium 13:127
• Cholera-Toxin-Complex 22:365
• Continuous-Wave 30:293
• Differential-Pulse-Polarography 19:505
• Facilitation 20:99
• Ganglioside 22:365
• Head-Group 19:557
• Interaction 19:557
• Lipid-Bilayer 22:365
• Lipid-Monolayer 22:365
• Membrane-Model 1:313
• Membrane-Potential 1:313
• Modulated-Wave 30:293
• Monolayer 19:557
• Phosphatidylcholine-Membrane 23:271
• Phospholipid-Vesicle 13:127, 20:99
• Polarography 13:127
• Prostaglandin-Stimulated-Change 23:271
• Prothrombin 20:99
• Ranitidine 19:505
• Structure 19:557, 22:365, 23:271
• Thallium-Ion 20:99
Permeability-Barrier 27:01
Permeability-Change 24:143
Permeability-Coefficient 19:127
Permeability-Difference 15:167
Permeabilization 47:129
Permeation 42:153
Peroxidase
• Carbon-Paste-Electrode 45:227
• Catalase 2:177
• Electrochemical-Determination 45:227
• Electrochemical-Property 5:18
• Flow-System 45:227
• Membrane-Covered 45:227
• Microperoxidase 45:227
• Plant-Photosystem 2:177
• Thylakoid-Behavior 2:177
Peroxidase-Catalyzed
• Alkaline-Phosphate-Solution 13:343
• Comparison 9:39
• Electrochemical-Oxidation 9:39, 13:343, 15:257, 43:205
• Methyluric-Acid 43:205
• Peak 13:343
• Tryptophan 15:257
• Uric-Acid 9:39, 13:343
• Voltammetric-Oxidation 13:343
Peroxidase-Catalyzed-Oxidation 11:75
Peroxidase-Electrode 26:277
Peroxidation
• Active-Oxygen 18:171
• Alcohol-Containing 18:163
• Aqueous-Solution 18:163
• Ascorbic-Acid 18:163, 18:171
• Catalyzed 18:171
• Degraded-Species 18:171
• Linoleic-Acid 18:163, 18:171
• Palmitoyl-Derivative 18:163
Peroxidation |Carbon-Tetrachloride-Induced-» 18:179
Peroxide
• Cerebral 18:307
• Dioxygen 18:51
• Ischemic-Brain-Edema 18:307
• Mitochondrial-Reduction 18:51
• Modified-Enzyme-Electrode 26:287
• Reagentless-Detection 26:287
• Transmembrane-Ion-Flux 18:307
• Water 18:51
Peroxide-Formation 7:513
Peroxyl-Radical
• Aqueous-Solution 18:147
• DNA 18:147
• Fatty-Acid 18:37
• Polynucleotide 18:147
• Reaction 18:147
• Reactivity 18:37
Perturbation 17:193
pH
• Adsorption 5:526, 16:485
• Association 16:485
• Brain-Injury 22:403
• Calcium-Ion 29:103
• Cell-Suspension 6:03, 6:11
• Chara-Corallina 17:165
• Charged-Interface 16:485
• Chlorophyll 17:165
• Colloid-Disperse-System 6:03, 6:11
• Comparison 11:319
• Configuration 30:209
• Cytidine 16:485
• Cytidine-Diphosphate 16:485
• Cytidine-Monophosphate 16:485
• Cytochrome 9:91, 11:319, 13:373, 29:71
• Dinitrophenol 17:165
• Direct-Electric-Current 30:209
• Dynamics 22:403
• Efficiency 16:549
• Electroactivity 9:91
• Electrochemical-Property 11:319
• Electrode-Material 30:209
• Electrolyte 6:03, 6:11
• Electron-Transfer 29:71
• Experimental-Condition 22:403
• Fluorescence 17:165
• Glassy-Carbon-Electrode 5:526
• Glutathione 29:103
• Gold-Electrode 13:373, 29:103
• Horse-Heart 9:91, 11:319, 13:373
• Inside-Out-Vesicle 16:549
• Interfacial-Behavior 6:165
• Internodal-Cell 17:165
• Ion-Gate-Response 29:103
• Ion-Transport 11:389
• Isolated-Human-Amnion 11:389
• Lewis-Acid 5:526
• Mean-Activity-Coefficient 6:03, 6:11
• Measurement 6:03, 6:11
• Measuring-Principle 6:03
• Membrane-Potential 17:165
• Membrane-Resistance 17:165
• Modified-Gold-Electrode 29:71
• Monolayer-Assembly 29:103
• Oxidation 5:526
• Oxygen-Evolving-Reaction 16:549
• Polyvalent-Cation 11:389
• Potassium-Ion 29:103
• Pseudomonas-Aeruginosa 11:319

- Pyridyl-Disulfide 29:71
- Pyridyl-Disulfide-Modified 13:373
- Redox-Potential 13:373
- Redox-Potential-Change 22:403
- Sodium-Chloride–Human-Serum-Albumin-Solution 6:11
- Spectrophotometric-Property 11:319
- Temperature 30:209
- Temperature-Dependence 13:373
- Thylakoid 16:549
- Transference-Number 6:03, 6:11
- Treatment 30:209
- Tumor 30:209
- Uracil 6:165

pH |Low-» 37:91

pH-Dependence
- Brdicka-Type 17:71
- Catalytic-Current 17:71
- Chain-Length-Dependence 17:509
- Charged-Surface 7:317
- Chloroplast 13:117
- Deuterium-Isotope-Effect 23:141
- DNA 7:317
- Double-Helix 7:317
- Electric-Charge 13:117
- Hemoglobin 17:71
- Indication 17:71
- Interaction 7:317
- Kinetics 23:141
- Membrane-Surface 13:117
- Mercury-Electrode 7:317
- Nucleic-Acid 7:317
- Phase-Transition-Parameter 17:509
- Phosphatidic-Acid 17:509
- Photosynthetic-Membrane 13:117
- Photosystem-II 23:141
- Potential-Dependence 7:317
- Quaternary-Structure-Change 17:71
- Structural-Change 7:317
- Temperature-Inactivation 13:117

pH-Dependent
- Blood-Cell 7:255
- Cancer-Tissue 7:255
- Chloroplast 10:413
- Cytochrome 10:413
- Interconversion 10:413
- Membrane-Change 7:255
- Redox-Form 10:413
- Selective-Occlusion 7:255
- Utilization 7:255
- Vasculature 7:255

pH-Difference 45:181

pH-Gradient
- Amphiphilic-Drug 23:17
- Bilayer-Lipid-Membrane 13:85
- Neutral-Form 23:17
- Planar-Bilayer-Lipid-Membrane 23:17
- Transport 13:85, 23:17
- Unstirred-Layer 13:85
- Weak-Acid 13:85
- Weak-Base 13:85

pH-Gradient |Local-» 41:187

pH-Jump
- Generation 19:291
- Liquid-Membrane-System 17:193, 19:291, 19:301
- Mechanism 19:291
- Membrane-Potential 17:193, 19:291, 19:301
- Nonlinear-Response 17:193
- Peak 19:291, 19:301
- Perturbation 17:193
- Potential 19:301
- Potential-Spike 19:291
- Relaxation 19:301
- Spike 19:291
- Theory 19:301
- Transient-Peak 17:193

Phagocyte
- Activation 27:45
- Cell-Membrane 38:129
- Electropermeabilization 38:129
- Long-Lived-Alteration 38:129
- Magnetic-Field 27:45
- Peripheral-Blood 38:129
- Viability 38:129

Pharmaceutical-Chemistry 10:07

Pharmaceutical-Formulation 40:175

Pharmacological-Activity 31:65

Pharmacological-Property 12:413

Pharmacology
- Pharmaceutical-Chemistry 10:07
- Polarography 10:07
- Voltammetry 10:07

Phase-Boundary 7:625

Phase-Control 41:39

Phase-Sensitive 29:223

Phase-Transition
- Colored 8:179
- Kinetics 24:143
- Lipid 24:143
- Liposome 24:143
- Nerve-Membrane 8:179
- Permeability-Change 24:143
- Voltage-Noise 8:179
- Volume-Change 24:143

Phase-Transition-Parameter 17:509

Phenazine-Mediated 22:323

Phenol 31:147

Phenolic-Structure
- Biological-Relevance 7:699, 9:379
- C-T-Complex 7:699
- Calorimetry 9:379
- Complex 9:379
- Donor–Acceptor-Interaction 7:699, 9:379
- Model 9:379
- NAD 9:379
- Quantitative 7:699, 9:379
- Spectroscopy 9:379
- Substituted-Pyridinium-Ion 7:699

Phenothiazine |N-Substituted-» 1:355

Phenothiazine-Compound 14:457

Phenyl-Derivative 8:223

Phenylalanine 21:223

Pheochromocytoma-Cell 39:77

Pheophytin
- Adsorbed 7:309
- Artificial 38:333
- Chlorophyll 7:309, 38:333
- Electrochemical-Reduction 21:367
- Electrode 7:309
- Functioning 21:367
- Light-Energy-Conversion 38:333
- Monolayer 38:333
- Optically-Transparent 38:333
- Participation 21:367
- Photosynthesis 38:333
- Photosystem-II 21:367
- Spectroscopy 7:309
- Tin-Dioxide-Electrode 38:333

Pheophytin-Enol-Iminium 25:415

Phloretin 8:405

Phorbol-Ester 27:49

Phosphate
- Base 19:425
- Cerium(III) 12:475
- Chelation 12:475
- Complexation 19:425
- Component 19:425
- Cytidine 12:475
- Cytosine 12:475
- Lanthanum 12:475
- Nucleic-Acid 19:425
- Thorium(IV) 12:475
- Transition-Metal-Ion 19:425
- Uranium(VI) 12:475

Phosphate-Containing-Media 15:67

Phosphatidic-Acid
- Chain-Length-Dependence 17:509
- Interaction 12:217
- Liposome 12:217
- Manganese(II) 12:217
- pH-Dependence 17:509
- Phase-Transition-Parameter 17:509

Phosphatidic-Acid |Saturated-» 15:167

Phosphatidic-Acid |Unsaturated-» 15:167

Phosphatidyl-Choline 6:537

Phosphatidyl-Serine
- Conformational-Change 48:361
- Correlated-Electrostatic-Interaction 48:361
- Deuterium–Proton-Exchange 45:203
- Hydration 48:361
- Interaction 6:537
- Interbilayer-Interaction 45:203
- Mixed-Monolayer 6:537
- Modulation 48:361
- Multilayer 48:361
- Phosphatidyl-Choline 6:537
- Prothrombin 6:537
- Structural-Dynamics 6:537
- Thin-Film 45:203

Phosphatidylcholine 13:07

Phosphatidylcholine-Membrane 23:271

Phosphatidylcholine-Monolayer 34:93

Phosphatidylethanol-thiocarbamide 38:117

Phosphatidylserine 5:116

Phosphoenzyme
- Calcium-ATPase 17:457, 17:473
- Sarcoplasmic-Reticulum 17:473
- Spin-Probe 17:457, 17:473
- Steady-State-Level 17:457
- Water 17:457, 17:473

Phospholipase
- Electrostatic-Interaction 36:53
- Enzyme-Sensitive-Electrode 21:373
- Hydrolytic-Activity 34:93, 36:53
- Phosphatidylcholine-Monolayer 34:93
- Plant 34:93
- Polarized-Oil/Water-Interface 34:93, 36:53
- Streptomyces-SPP 34:93

Phospholipid
- Adsorption 24:129
- Alamethicin 24:129
- Bare 24:129
- Charge-Recombination 38:25
- Covered 24:129
- Kinetics 38:25
- Melittin 24:129
- Mercury-Electrode 24:129
- Organogel 38:25
- Photosynthetic-Reaction-Center 38:25
- Solution 12:155
- Solvent-Free-Bilayer 12:155
- Squalene 12:155
- Water-in-Oil 38:25

Phospholipid-Bilayer
- Anion-Response 9:733
- Cation-Response 9:733
- Hydrated-Ion 42:153
- Mechanism 42:153
- Permeation 42:153
- Small-Neutral-Molecule 42:153
- Zwitterion 9:733

Phospholipid-Membrane
- Alpha-Thrombin-Activity 38:105
- Embedding 29:149
- Human-Prothrombin 29:149
- Ion-Distribution 13:473
- Polarization 13:473
- Prethrombin-Domain 29:149
- Solid/Liquid-Interface 13:473
- Water 13:473

Phospholipid-Molecule 25:105

Phospholipid-Monolayer 46:205

Phospholipidic-Matrix 36:67

Phospholipidic-Molecule 32:295

Phosphorylase 1:478

Phosphorylation
- Calcium-Dependence 35:57, 43:233
- Cell-Free 43:233
- Cell-Free-Preparation 30:119
- Core 38:67
- Electron-Transfer 38:67
- Energy-Relationship 1:03
- Enzyme 35:57
- Heterogeneity 38:67
- Higher-Plant 38:67
- Mitochondrium 1:03
- Modulation 35:57, 43:233
- Myosin 30:119, 35:57, 43:233
- Photosystem-II 38:67
- Preparation 35:57, 43:233
- Redox-Reaction 1:03
- Regulation 38:67
- Static-Magnetic-Field 35:57

- Weak-Low-Frequency-Sinusoidal-Direct-Current-Magnetic-Field 30:119
- Weak-Static-Magnetic-Field 43:233

Phosphorylation-Potential 12:63
Phosphorylation-Rate 12:63
Photo-Electrochemical-Cell 8:691
Photo-Electrochemical-Property 9:79
Photo-Induced-Formation 18:155
Photo-Reduction 8:71
Photoadduct 3:41
Photobioelectrochemistry 26:139
Photobiological-Conversion 9:197
Photocell 26:117
Photocell |Semi-Wet-» 43:71
Photochemistry 16:77
Photochromic 31:161
Photochromic-Membrane 32:27
Photoconductivity 37:109
Photocurrent
- Chloroplast 46:71
- Electrochemical-Cell 22:145
- Induction 22:145
- Kinetics 22:145
- Light-Induced-Swelling 46:71
- Metal/Solution-Interface 5:650
- Photoemitted-Electron 5:650
- Semiconductor-Protein-Interface 20:269
- Stimulation 46:71
- Thylakoid 22:145
- Thylakoid-System 46:71
- Transient 20:269

Photocurrent |Oriented-» 21:171
Photocurrent |Outward-» 48:141
Photodegradation 23:161
Photodynamic-Cell-Treatment 39:109
Photodynamic-Damage
- DNA 5:335, 5:347, 7:503
- Electron-Exchange 5:347
- Model 5:347
- Photosensitization 7:503
- Physico-Chemical-Method 5:335
- Radical-Reaction 7:503
- Redox-Mechanism 7:503
- Redox-Process 5:335, 5:347, 7:503
- Strand-Breaking 5:347

Photoelectric-Behavior
- Bioanalytical-Application 45:247
- Mammalian-Cell 45:247
- Molecular-Biology 46:145
- Supercoiled-DNA 46:145

Photoelectric-Device |Molecular-» 34:135
Photoelectric-Response
- Bilayer-Lipid-Membrane 39:125
- Doped-Metallochlorophyll 39:125
- Halorhodopsin 46:289
- Natronobacterium-Pharaonis 46:289

Photoelectric-Signal 37:109
Photoelectric-Signal |Fast-»
- Asparagine-212 33:151
- Aspartate-212 33:151
- Bacteriorhodopsin-Membrane 33:135, 33:143, 33:151, 37:91, 45:193
- Chloride-Ion-Transport-Blocker 45:193
- Component-Analysis 33:135, 33:143, 33:151, 37:91, 45:193
- Divalent-Cation-Chelator 45:193
- Fluorescamine-Treatment 33:143
- Isolating-Component 37:91
- Low-pH 37:91
- Model 33:135, 33:143, 33:151, 37:91, 45:193
- Multilayer-Stacking 33:135
- Point-Mutation 33:151
- Polarity-Reversal 37:91
- Prolonged-Drying 33:135

Photoelectrochemical-Cell
- Immobilized 22:391
- Oriented 19:371
- Photosynthetic-Membrane 22:391
- Pigment-Polymer-Complex 19:371

Photoelectrochemical-Effect 26:29
Photoelectrochemical-Model 17:325
Photoelectrochemistry
- Chlorophyll-Monolayer 7:247
- Deposited 29:357
- Platinum-Electrode 29:357
- Thylakoid-Membrane 42:255
- Zeaxanthin-Layer 29:357

Photoelectrode 23:239
Photoelectrolysis 12:499
Photoemitted-Electron 5:650
Photogenerated 7:539
Photoinduced-Electron-Transfer
- Carbon-Paste-Electrode 48:95
- C_{60} 48:95
- Fullerene 48:95
- Kinetics 27:449
- Mechanism 27:449
- Mediated 27:449
- Planar-Lipid-Bilayer 27:449
- Preparation 48:95
- Solar-Cell 48:95
- Stacked-Metallotriporphyrin 27:449
- Synthetic-Chlorophyll-Analogue 48:95

Photooxidation 12:15
Photooxidized 31:193
Photophosphorylation 12:63
Photoproduction 6:205
Photoreaction 9:265
Photoreceptor |Arthropod-» 3:151
Photoreceptor-Cell 46:237
Photoreceptor-Rod 47:167
Photoregulation 22:355
Photosensitive-Lipid-Membrane
- Aerated-Potassium-Chloride-Solution 9:265
- Air-Saturated-Solution 6:427
- Biological-Process 6:427
- Collodion–Oleic-Acid-Membrane 6:427, 9:265
- Experimental-Model 6:427
- Intervention 9:265
- Mechanism 9:265
- Methylene-Blue-Sensitized 6:427, 9:265
- Photoreaction 9:265
- Photosensitization 6:427
- Singlet-Oxygen 9:265

Photosensitization
- Air-Saturated-Solution 6:427
- Biological-Process 6:427
- Collodion–Oleic-Acid-Membrane 6:427
- DNA 7:503
- Experimental-Model 6:427
- Methylene-Blue-Sensitized 6:427
- Photodynamic-Damage 7:503
- Photosensitive-Lipid-Membrane 6:427
- Radical-Reaction 7:503
- Redox-Mechanism 7:503
- Redox-Process 7:503

Photostasis 45:111
Photoswitchable-Biomaterial 42:43
Photosynthesis
- Acid–Base-Energy 23:105
- Activation-Energy 23:249
- Artificial 38:333
- Bioelectrochemistry 13:183
- Biomembrane 13:143
- Chlorophyll 38:333
- Electric-Event 1:407
- Electron-Carrier 3:302
- Electron-Source 3:573
- Energy-Dependent 13:143
- Evolution 21:03
- Function 3:302
- Functional-Organization 7:101
- Green-Plant 17:325
- In-Vitro 17:325
- Inhibitory-Effect 38:63
- Light 23:105
- Light-Energy-Conversion 38:333
- Manganese-Cobalt-Complex 48:53
- Microchemiosmotic-Interpretation 13:143
- Molecular-Mechanism 21:03
- Monolayer 38:333
- Optically-Transparent 38:333
- Oxalis-Pes-Caprae 38:63
- Oxidation 12:57
- Oxygen 21:03
- Oxygen-Evolution 23:249
- Pheophytin 38:333
- Photoelectrochemical-Model 17:325
- Photosystem-II 1:438
- Plastoquinone 3:302
- Primary-Act 1:407
- Primary-Process 1:438
- Proton-Carrier 3:302
- Reaction-Center 1:438
- Redox-Characteristics 48:53
- Redox-Energy 23:105
- Schiff-Base 48:53
- Sequential-Transduction 23:105
- Structural-Organization 7:101
- Sulfonylurea-Derivative 38:63
- Theory 13:183, 23:249
- Thylakoid 13:143
- Tin-Dioxide-Electrode 38:333
- Visible-Light 7:101
- Water 12:57
- Water-Cleavage 7:101
- Water-Oxidizing-Complex 48:53
- Z-Scheme 17:325

Photosynthetic-Bacteria 28:401
Photosynthetic-Charge-Separation
- Chloroplast-Spread 7:167
- Heptane/Water-Interface 7:167
- Immobilized-Gel 38:53
- Measurement 7:167
- Nanosecond-Range 7:167
- Oriented-Membrane-Fragment 38:53

Photosynthetic-Electron-Transport 6:563
Photosynthetic-Membrane
- Chloroplast 13:117
- Electric-Charge 13:117
- Electrogenesis 44:01
- Immobilized 22:391
- Membrane-Surface 13:117
- pH-Dependence 13:117
- Photoelectrochemical-Cell 22:391
- Temperature-Inactivation 13:117

Photosynthetic-Metabolism 22:355
Photosynthetic-Reaction-Center
- Alpha-Helix 24:113
- Charge-Recombination 38:25
- Control 34:135
- Development 23:239
- Fast-Electron-Transfer 48:101
- Intramembrane-Electric-Field 24:113
- Kinetics 38:25
- Langmuir–Blodgett-Film 34:135
- Molecular-Photoelectric-Device 34:135
- Organogel 38:25
- Phospholipid 38:25
- Photochemistry 16:77
- Photoelectrode 23:239
- Polycation 48:101
- Protein 24:113
- Protein-Orientation 34:135
- Reconstituted 48:101
- Reversible 48:101
- Rhodobacter-Sphaeroide 48:101
- Rhodopseudomonas-Viridis 34:135
- Sandwiched-Monolayer-Film 48:101
- Single-Charge 24:113
- Water-in-Oil 38:25
- Wild-Type 48:101

Photosystem 10:377
Photosystem |Plant-»
- Catalase 2:177
- Null-Potential-Voltammetry 3:84
- Peroxidase 2:177
- Thylakoid-Behavior 2:177

Photosystem-I
- Covered 12:499
- Cytochrome 42:249
- Electrode 12:499
- Electron-Transfer-Reaction 28:205
- Energy-Distribution 37:69

- Laser-Flash-Absorption-Spectroscopy 28:205
- Mechanism 27:27
- Molecular-Recognition 42:249
- Oxidizing-Site 28:205
- Pea-Chloroplast-Membrane 27:27
- Pea-Thylakoid-Membrane 37:69
- Photoelectrolysis 12:499
- Photosystem-II 12:499, 37:69
- Plastocyanin 42:249
- Reaction-Mechanism 42:249
- Reducing-Site 28:205
- Reduction 42:249
- Stimulation 27:27
- Trypsin-Induced-Change 37:69
- Trypsin-Treated 27:27
- Water 12:499

Photosystem-II
- Acid 25:415
- Core 38:67
- Covered 12:499
- Cyclic-Voltammetry 25:415
- Cytochrome 38:09
- Deuterium-Isotope-Effect 23:141
- Electrochemical-Reduction 21:367
- Electrode 12:499
- Electron-Transfer 38:67
- Energy-Distribution 37:69
- Exogenous-Flavin 38:09
- Functioning 21:367
- Heterogeneity 38:67
- Higher-Plant 38:67
- Indirect-Reduction 38:09
- Isolated-Reaction-Center 38:09
- Kinetics 23:141
- Methyl-Pheophorbide 25:415
- Participation 21:367
- Pea-Thylakoid-Membrane 37:69
- pH-Dependence 23:141
- Pheophytin 21:367
- Pheophytin-Enol-Iminium 25:415
- Phosphorylation 38:67
- Photoelectrolysis 12:499
- Photosynthesis 1:438
- Photosystem-I 12:499, 37:69
- Primary-Process 1:438, 25:415
- Reaction-Center 1:438
- Regulation 38:67
- Spectroelectrochemical-Titration 25:415
- Trypsin-Induced-Change 37:69
- Water 12:499

Phototransfer 26:139
Phycobiliprotein 38:57
Physical-Approach 40:153
Physical-Correlation 10:119
Physical-Exercise 18:231
Physical-Method 25:295
Physical-Parameter 20:155
Physical-Principle 22:01
Physical-Property
- Affinity 47:47
- Biosensor 47:47
- Biotinylated-Phospholipid 42:35
- Dynamics 47:47
- Glucose-Minisensor 42:35
- Self-Assembled-Membrane 42:35
- Solid-Support 42:35
- Solid-Supported-Lipid-Membrane 47:47
- Structure 47:47

Physical-Significancy 25:241
Physico-Chemical-Method 5:335
Physicochemical-Model 19:21
Physiological-Basis 8:645
Physiological-Buffer 7:469
Physiological-Condition
- Cadmium 6:337
- Cobalt(II) 6:337
- Complexation 6:337
- Copper 6:337
- Imidazole 6:337
- Metal-Ion-Equilibria 8:49
- Nickel 6:337
- Potentiometry 6:337, 8:49
- Proton 6:337
- Total-Parenteral-Nutrition 8:49
- Trace-Metal-Requirement 8:49
- Zinc 6:337
- Zinc-Cysteine-Histidine 8:49
- Zinc-Glycine 8:49
- Zinc-Glycine-Cysteine-System 8:49
- Zinc-Glycine-Histidine-System 8:49
- Zinc-Histidine 8:49

Physiological-State 25:285
Physiologically-Based-Model 43:257
Phytohemagglutinin
- Electromagnetic-Field 44:243
- Enhancement 44:243
- Human-Normal-Lymphocyte 14:115
- Interferon-Gamma-Release 44:243
- Interleukin-6-Release 44:243
- Low-Frequency-Pulsing-Electromagnetic-Field 14:115
- Mononuclear-Cell 44:243
- Peripheral-Blood 44:243
- Stimulation 44:243

Phytoplankton 29:143
Pi-Acid
- Complex-Formation 9:627, 9:639
- Copper-Phenanthroline-Complex 9:627, 9:639
- Electrode-Behavior 9:627, 9:639
- Ligand 9:627, 9:639
- Nitrogen-Donor-Atom 9:627, 9:639
- Oxygen-Donor-Atom 9:627, 9:639
- Secondary-Ligand 9:627, 9:639
- Solution 9:627, 9:639
- Ternary-Complex 9:627, 9:639

Pi-Electron 14:425
Pi-State 8:167
Piezoelectric-Crystal-Sensor 36:161
Piezoelectricity 41:191
Pigeon-Breast-Muscle 17:383
Pigment-Polymer-Complex 19:371
Pigmented
- Bilayer-Lipid-Membrane 5:318
- Light-Induced-Redox-Reaction 9:559
- Light-Transduction 5:318

Pineal-Gland
- |Human-» 41:191

Piroxicam 24:155
pK-Shift-Mediated 8:301
Planar-Electrode-Array 29:193
Planar-Lipid-Bilayer
- Alpha-Latrotoxin 17:361
- Comparative-Analysis 33:11
- Complex 17:361
- Electric-Property 17:361
- Interaction 46:151
- Kinetics 27:449
- Measurement 33:11
- Mechanism 27:449
- Mediated 27:449
- Membrane-Surface-Potential 33:11
- Nicotinic-Acetylcholine-Receptor 21:71
- Panosialin 46:151
- Photoinduced-Electron-Transfer 27:449
- Purified 17:361
- Receptor 17:361
- Reconstitution 21:71
- Stacked-Metallotriporphyrin 27:449
- Torpedo-Californica 21:71

Planar-Lipid-Membrane 41:197
Planar-Substrate-Microelectrode 38:255
Plane-Permselective-Membrane 13:55
Plant
- Binding-Site 40:249
- Biosystem 28:483
- Chemical-Damage 28:483
- Chemiluminescence 28:483
- Copper-Containing-Protein 40:249
- Hydrolytic-Activity 34:93
- Mechanical-Damage 28:483
- Phosphatidylcholine-Monolayer 34:93
- Phospholipase 34:93
- Plantacyanin-Blue 40:249
- Polarized-Oil/Water-Interface 34:93
- Streptomyces-SPP 34:93
- Stress-Induced-Electromagnetic-Emission 28:483

Plant-Cell
- Electrokinetics 32:165
- Electrophoresis 25:225
- Organelle 25:225, 32:165

Plant-Cutting 12:567
Plant-Morphogenesis 19:461
Plant-Protoplast
- Chemical-Promotion 34:115
- Design 34:115
- Division 29:59
- Electrofusion 34:115
- Electrostimulation 29:59
- Experiment 29:59
- Surface-Active 34:115
- Synthesis 34:115

Plant-System
- Anomalous-Behaviour 5:776
- Biocide 5:52, 6:197
- Broad-Bean-Leaf 5:776
- Epidermis-Cuticle 5:776
- Leaf-Membrane 5:52
- Membrane-System 6:197
- Preparation 5:776
- Surfactant 6:197
- Transport 5:52

Plantacyanin-Blue 40:249
Plasma-Membrane
- Activation 26:223
- Alternating-Current-Field 44:95
- Amplitude 33:19, 44:95
- Ascite 10:75
- Bromosulfophthalein 10:75
- Cell-Response 33:19
- Correlation 33:19
- Electric-Field 33:19
- Electrogenic-Proton-Pump 26:223
- Fluctuation 33:19
- Function 10:75
- Growth-Stimulation 44:95
- Hevea 48:135
- Hevea-Brasiliensis-Laticiferous 26:223
- Laticifer 48:135
- Low-Frequency 44:95
- Magnetic-Field 33:19
- Multiple-Sugar-Uptake 48:135
- Pollen-Tube 44:95
- Proton-Pump 44:95
- Protoplast 48:135
- Stimulation 44:95
- Structure 10:75
- Sucrose/H^+-Glucose/H^+-Symport 26:223
- Tumor-Cell 10:75

Plasmamembrane 16:519
Plasmid
- Bacteria 40:233
- Cosmid 21:355
- CV1-Cell 26:339
- DNA 21:355
- DNA-Concentration 40:233
- DNA-Size 47:319
- Electroporation 21:355, 26:339
- Electrotransformation 25:259, 40:233, 47:319
- Escherichia-Coli 25:259, 47:319
- Mammalian-Cell 21:355
- Model 40:233
- Protoplast 25:259
- Quantitative-Relationship 40:233
- Saccharomyces-Cerevisiae 25:259
- Stable-Transfer 26:339
- Statistical-Evaluation 40:233

Plasmolysis 7:377
Plastic-Electrode 27:191
Plastocyanin 42:249
Plastoquinone 3:302
Plating 46:285
Platinized 10:377
Platinum
- Acid-Solution 14:375
- Adatom 14:375
- Aminobutyric-Acid 28:367
- Anodic-Oxidation 14:375
- Antitumor-Drug 19:145
- Bilayer-Lipid-Membrane 24:01
- Biomolecule 19:413
- Comparative-Study 14:375, 28:367

• Complex 19:145
• Cyclic-Voltammetry 24:01
• Deposited 24:01
• DNA 19:145
• Electrocatalytic-Influence 14:375
• Electrochemical-Oxidation 28:367
• Electron-Transfer 19:413
• FAD 19:413
• Heavy-Metal 14:375
• Mediator 19:413
• Monosaccharide 14:375
• Self-Assembly 24:01
• Surface 28:367
• Underpotential 14:375

Platinum-Cathode 22:197

Platinum-Electrode
• Adsorbed 10:377
• Alpha-Alanine 25:269
• Beta-Alanine 25:269
• Brilliant 21:233
• Buffered-Media 10:239
• Chlorophyll 22:75
• Cobalt(II)-Chlorophyll 40:257
• Covered 21:233
• Cresyl-Blue 21:233
• Current–Potential-Curve 10:377
• Cyclic-Voltammetry 17:59
• Deposited 29:357
• Electrochemical-Oxidation 22:75
• Electrode-Process 21:233
• Electrooxidation 10:239
• Glucose 10:239
• Glucose-Oxidation 17:59
• Hemoglobin 21:233
• Oxidation 25:269
• Oxide-Covered 17:59
• Photoelectrochemistry 29:357
• Photosystem 10:377
• Platinized 10:377
• Reduction 40:257
• Surface-Electrochemistry 25:269
• Thallium-Layer 17:59
• Thin-Film 22:75
• Tin-Dioxide-Electrode 22:75
• Underpotential-Deposited 17:59
• Zeaxanthin-Layer 29:357

Platinum-Electrode |Chemically-Modified-» 26:29

Platinum-Electrode |Modified-»
• Adsoroed-Metal 9:571, 10:251
• Alkane-Thiol 36:73
• Anodic-Oxidation 9:571, 10:251
• Biological-Component 9:571, 10:251
• Catalytic-Oxidation 9:571, 10:251
• Catecholamine 10:251
• Glucose 9:571
• Glucose-Oxidase 36:73

Platinum-Magnesium-Cell 2:106

Platinum-Surface |Modified-» 12:485

Plectonema-Boryanum 48:237

Point-Mutation 33:151

Polar-Head-Group
• Alpha-Cyclodextrin-Phospholipid 33:95
• Association 33:95
• Electrochemical-Property 27:501
• Ferrocyanide–Ferricyanide-Reaction 27:501
• Kinetics 27:501
• Mixed-Monolayer-Assembly 27:501
• Modified-Gold-Electrode 27:501
• Nuclear-Magnetic-Resonance 33:95

Polarity 40:35

Polarity-Reversal 37:91

Polarization
• Biological-Effect 28:279
• Counterion 28:279
• Intensity 28:279
• Ion-Distribution 13:473
• Low-Frequency-Low-Electric-Field 28:279
• Phospholipid-Membrane 13:473
• Solid/Liquid-Interface 13:473
• Water 13:473

Polarographic-Adsorption 8:43

Polarographic-Brdicka-Activity 4:413

Polarographic-Data 12:455

Polarographic-Determination
• Aqueous-Biological-Media 33:201
• ATP 2:321
• Binding 2:321
• Cephradine 33:201
• Complexation-Parameter 11:173
• Copper 11:173
• Equilibrium 2:321
• Ethyl-Isatine-Isothio-semicarbazone 11:173
• Nickel 2:321
• Rate-Constant 2:321
• Virostatic 11:173

Polarographic-Property 48:129

Polarographic-Reduction
• Adenine-Derivative 4:508
• Adsorption 4:508
• Flavoprotein 6:117
• Prosthetic-Group 6:117

Polarographic-Technique 3:622

Polarography
• Acetone 23:301
• Acid–Base-Equilibria 28:43
• Acid-Solution 16:193
• Active-Site 13:407
• Adenine 1:136, 4:425, 5:239
• Aggregation 23:301
• Alcohol-Dehydrogenase 9:333, 13:407
• Alpha-Ketoacid 28:43
• Amino-Acid 11:129
• Amoxycillin 20:125
• Anthracycline 16:135
• Anthracycline-Antibiotics 8:537
• Aqueous-Solution 13:385, 19:29, 28:43
• Aqueous-Solvent 5:276
• Ascorbic-Acid 25:121
• Bacteriorhodopsin 8:251
• Base 19:441
• Benzodiazepine 17:535
• Bio-Polymer 8:469, 8:537
• Bovine-Hemoglobin 8:141
• Cadmium 8:287, 13:127, 25:155, 29:91
• Calcium-Antagonist 23:161
• Cancerostatic 16:135
• Carboxymethylagar 32:181
• Carcinogenity 36:137
• Catalytic-Current 8:141, 9:419
• Catalytic-Mechanism 38:397
• Chlorophyll 23:301
• Cholate-Aggregate 29:91
• Chromatium-Vinosum 26:123
• Circular-DNA 8:487
• Complex 8:537
• Complexation 19:441
• Conformational-Change 9:07
• Coordination-Chemistry 2:329
• Copper 11:129, 29:91, 36:165
• Correlation 8:141
• Cytosine 4:425, 5:239
• Damping 9:761
• Denaturation 12:431
• Diketogulono-Delta-Lactone 25:121
• Dimethylformamide 2:61
• Dinucleotide 8:07
• Discharge-Kinetics 25:155
• DNA 1:126, 8:537
• Double-Helical-DNA 7:671
• Dropping-Mercury-Electrode 25:155
• Electrophilic-Substituent 3:519
• Electroreduction 6:243
• Endiol-Form 25:121
• Erythrocyte 7:291
• Escherichia-Coli 38:397
• Estazolam 19:533
• Excitation 23:301
• Flavanoid 36:137
• Fluorescence 23:301
• Glutamate-Dehydrogenase 9:345, 12:431
• Glutathione 20:125
• Helical-Transition 19:441
• Hemoglobin 7:291, 9:419
• High-Potential 26:123
• Horse-Liver 13:407
• Human-Hemoglobin 8:141
• Human-Serum-Albumin 9:07, 17:535
• Hydantoin 8:287
• Hydration–Dehydration-Equilibria 28:43
• Hydrolysis 19:533
• Hydroxyproline 25:155
• Indole 9:761
• Interaction 8:287, 17:535, 20:125, 29:91
• Interfacial-Behavior 7:267
• Intramolecular-Single-Stranded-Region 7:671
• Ion-Interaction 32:181
• Ion-Pair-Formation 19:29
• Iron 36:165
• Iron-Containing 38:397
• Iron-Protein 26:123
• Keto–Enol-Equilibria 28:43
• Kinetics 36:165
• Lead 29:91
• Linear-Dependence 9:419
• Linear-Sweep-Voltammetry 28:43
• Manganese(II) 19:441
• Maximum-of-Oxygen 9:761
• Mechanism 6:243
• Melanin 9:761
• Mercury-Electrode 26:123
• Metabolic-Process 16:135
• Metalloporphyrin 2:61
• Microcalorimetry 20:125
• Micrococcal-Nuclease 1:126
• Modeling 16:135
• Modification 12:431
• Neutral-Buffer-Solution 25:121
• Nickel 19:441
• Nonaqueous-Solvent 5:276
• Nucleic-Acid 7:267
• Nucleoprotein 3:359
• Nucleotide 1:136
• Number-of-SH-Groups 9:419
• Oxygen-Carrier 7:291
• Perfluorocarbon-Emulsion 7:291
• Permeability 13:127
• Pharmaceutical-Chemistry 10:07
• Pharmacology 10:07
• Phospholipid-Vesicle 13:127
• Photodegradation 23:161
• Poly(DG-DC).Poly(DG-DC) 13:225
• Poly-Alpha-D-Glutamic-Acid 16:193
• Polypeptide 2:329
• Porphyrin 2:61, 3:519
• Potential 36:137
• Prehyperchromic-Degradation 1:126
• Proline 25:155
• Propolis 36:137
• Protein 3:359, 8:151
• Psychotropic-Drug 10:25
• Pyridoxal 5:276
• Pyruvate-Anion 19:29
• Quantitative-Determination 9:761
• SH-Group-Content 8:141
• Short-Controlled-Drop-Time 13:385
• Spectroscopy 28:43
• Stacking-Interaction 19:441
• Succinimide 8:287
• Superoxide-Dismutase 13:385, 36:165, 38:397
• Superoxide-Ion-Dismutation 13:385
• Surface-Chemistry 26:123
• Synthetic-Corticotropine 2:329
• Synthetic-Model 8:07
• Ternary-Complex 11:129
• Thiopyrimidine-Derivative 6:243
• Trace-Amount 23:301
• Transition 13:225
• Triazolobenzodiazepine 19:533
• Trimethylenebiscytosine 8:07
• tRNA#F# 3:561
• Unbuffered-Dioxane-Solution 1:136
• Unfolding 9:07
• Urea 9:07
• Voltammetry 10:07
• Water 23:301
• Wavelength-Selected 23:301
• Zinc 13:407, 36:165
• Zinc-Binding 9:333, 9:345
• Zinc-Complex 2:329

Polarography |Alternating-Current-»
• Ampicillin 11:265
• Binding 11:425
• Bone 13:365

- Cation 7:459
- Charge-Transfer 7:459
- Cloxacillin 11:425
- Electrosorption 7:459
- Glutathione 11:265, 11:425
- Homologous 7:459
- In-Vitro 11:425
- Interaction 11:265
- Lead 13:365
- Lecithin 7:459
- Model-Membrane 7:459

Polarography
|Modulation-» 3:373
Pollen-Tube 44:95
Poly(DG-DC).Poly(DG-DC) 13:225
Poly-ADP-Ribosylation 30:111
Poly-Alpha-D-Glutamic-Acid 16:193
Poly-Electrolyte
- Adsorbed 8:167
- Compaction 8:167
- DNA 8:167
- Electrode-Surface 8:167
- Field-Effect 8:89
- Model 8:167
- Pi-State 8:167
- Potential 8:167

Poly-Electrolyte-Property 8:33
Poly-L-Lysine 1:478
Poly-Vinyl-Alcohol 39:303
Polyacrylamide-Gel 8:703
Polyadenylic-Acid 46:07
Polyamine
- 50-Hz-Magnetic-Field 43:169
- Adsorption 4:369
- Amino-Oxidase 25:307
- Amperometric-Biosensor 25:307
- DNA 4:369
- Jurkat-Cell 43:169
- Light-Scattering-Change 32:77
- Mercury-Electrode 4:369
- Ornithine-Decarboxylase 43:169
- Reduction 4:369
- Surface-Charge 32:77
- Thylakoid-Membrane 32:77

Polycarbazole-Modified-Electrode 34:83
Polycation 48:101
Polycrystalline-Chlorophyll-Alpha 8:691
Polycrystalline-Gold-Electrode 22:159
Polycyclic-Quaternary-Ammonium-Salt 8:43
Polyethylene-Oxide-Modified 37:73
Polyion 19:77
Polylysine-Support 39:181
Polymer
- Coupled-Cooperative-Association 8:301
- Coupled-Cooperative-Protonation 8:301
- Electrochemical-Serum-Biosensor 31:311
- Model 8:301
- Performance 31:311
- pK-Shift-Mediated 8:301
- Preadsorption 31:311

Polymer-Membrane 25:131
Polymer-Modified-Electrode 12:583
Polymer-Supported 34:109
Polynucleotide
- Aqueous-Solution 18:147
- DNA 18:147
- Peroxyl-Radical 18:147
- Reaction 18:147

Polynucleotide |Biosynthetic-»
- Adsorption 2:204
- Base-Composition 3:461
- Charged-Interface 3:440
- Comparative-Study 1:487, 2:245
- Deconformation 3:440
- Denatured-DNA 1:487, 2:245
- Electrochemical-Property 1:487, 2:245
- Hanging-Mercury-Drop-Electrode 2:204
- Mercury-Electrode 1:487, 2:204, 2:245, 3:440, 3:461
- Native-DNA 1:487, 2:245, 3:440
- Natural-Polynucleotide 1:487, 2:204, 2:245, 3:440, 3:461
- Polyriboadenylic-Acid 2:204
- Reduction 2:204

Polynucleotide |Natural-»
- Adsorption 2:204
- Base-Composition 3:461
- Biosynthetic-Polynucleotide 1:487, 2:204, 2:245, 3:440, 3:461
- Charged-Interface 3:440
- Comparative-Study 1:487, 2:245
- Deconformation 3:440
- Denatured-DNA 1:487, 2:245
- Electrochemical-Property 1:487, 2:245
- Hanging-Mercury-Drop-Electrode 2:204
- Mercury-Electrode 1:487, 2:204, 2:245, 3:440, 3:461
- Native-DNA 1:487, 2:245, 3:440
- Polyriboadenylic-Acid 2:204
- Reduction 2:204

Polynucleotide |Synthetic-» 3:622
Polynucleotide-Chain 12:135
Polyoxyethylene 15:07
Polypeptide
- Coordination-Chemistry 2:329
- Mercury/Solution-Interface 22:09
- Polarography 2:329
- Protein 22:09
- Reaction 22:09
- Solid/Solution-Interface 22:09
- Synthetic-Corticotropine 2:329
- Zinc-Complex 2:329

Polypeptide-Distribution-Change 33:109
Polyphenol-Oxidase 27:509
Polyprenol-Phosphatidylcholine 45:215
Polypyrrole
|Deposited-» 29:159
Polypyrrole-Film 29:47
Polypyrrole–Lecithin-Bilayer-Membrane 22:69
Polypyrrole–Lecithin-System 19:405
Polypyrrole-Membrane
- Electric-Control 28:489
- Electric-Oscillation 34:149
- Electron-Acceptor 34:149
- Electron-Donor 34:149
- Glutamate-Dehydrogenase 28:489

Polyriboadenylic-Acid
- Adenine-Nucleotide 12:279
- Adsorption 2:204
- Biosynthetic-Polynucleotide 2:204
- Cathodic-Stripping-Voltammetry 12:279
- Coenzyme 12:279
- Dropping-Mercury-Electrode 12:279
- Hanging-Mercury-Drop-Electrode 2:204
- Mercury-Electrode 2:204
- NAD 12:279
- Natural-Polynucleotide 2:204
- Reduction 2:204

Polyribocytidylic-Acid 34:77
Polystyrene
|Surface-Modified-» 21:63
Polythiophene-Bipyridinium 29:29
Polyvalent-Cation 11:389
Polyvinylalcohol 16:149
Pontentiodynamics 3:589
Poor-Replicability 48:349
Population-Distribution 20:57
Porcine 39:291
Pore
- Asymmetric-Distribution 32:249
- Aurantimycin 36:57
- Cell-Electroporation 32:237, 32:249
- Cell-Membrane 26:01
- Electroporation 26:01
- Evolution 32:249
- Experiment 32:237
- Human-Erythrocyte 32:237
- Kinetics 26:01, 32:237
- Lipopeptide-Antibiotics 36:57
- Membrane 36:57
- Resealing 26:01
- Streptomyces-Aurantiacus 36:57
- Theory 32:249

Pore |Electric-Field-Induced-» 11:479
Pore |Electroinduced-» 42:179
Pore-Creation 46:121
Pore-Formation 32:221
Pore-Resealing 48:441
Porous-Carbon-Electrode
- Bacteria 11:347, 17:175
- Electroadsorption 11:347, 17:175
- Porous-Graphite-Electrode 17:175
- Removal 11:347
- Water 11:347

Porous-Graphite-Electrode 17:175
Porous-Membrane-Filter 36:61
Porous-Thin-Layer 8:275
Porphyrin
- Biosystem 5:01
- Control 9:551
- Covalent 10:69
- Cytochrome-Model 1:172
- Dimer 10:69
- Dimethylformamide 2:61
- Electrophilic-Substituent 3:519
- Evolution 5:01
- Halogen-Anion 9:551
- Hydrophobic 9:551
- Metal-Complex 10:69
- Metalloporphyrin 2:61
- Octane/Water-Interface 9:551
- Polarography 2:61, 3:519
- Redox-Reaction 1:172
- Reduction 9:551, 10:69
- Specific-Adsorption 9:551

Posttraumatic-Non-Union 14:135
Potassium-Accumulation
- Activity 39:161
- Aerobically-Grown-Cell 15:417
- Anaerobically-Grown-Cell 15:417, 27:367, 39:13
- ATP-Synthesis 9:459
- Characteristics 39:13
- Comparison 8:613, 39:13
- Complex 27:367
- Dicyclohexylcarbodiimide 5:567
- Electrogenic-Proton-Pump 8:25
- Energy-Dependent 5:554, 5:561, 5:567, 6:315, 8:25, 8:597, 8:605, 8:613, 9:459, 11:29, 15:417, 19:353, 27:367, 39:13, 39:161
- Escherichia-Coli 5:554, 5:561, 5:567, 6:315, 8:25, 8:597, 8:605, 8:613, 9:459, 11:29, 15:417, 19:353, 27:367, 39:13, 39:161
- Glycolysis 39:13, 39:161
- Hydrogen-Potassium-Exchange 5:567, 8:597, 8:605, 9:459, 11:29
- Hydrogen-Potassium-Pump 6:315
- H^+-ATPase 19:353, 27:367
- Identification 8:597
- Interaction 27:367
- Lactate-Secretion 8:25
- Mechanism 9:459
- Membrane-Potential 8:613
- Nitrate/Nitrite-Respiration 39:13
- Osmosensitivity 5:554
- Periplasmic-Protein 6:315
- Potassium-Dependent-ATPase 19:353
- Potassium-Ionophore 19:353
- Potassium-Uptake 5:554, 5:561, 39:13, 39:161
- Regulation 6:315
- Respiratory-Chain 39:13
- Reversal 9:459
- Sensitive 5:567
- Stoichiometry 5:567
- Structural-Association 19:353
- Structure 8:605
- Transport-System 11:29
- Trk-Mutant 39:161
- Trk-Protein 27:367
- Trk-System 15:417
- Unc-Mutant 11:29

Potassium-Activity 3:169
Potassium-Change 7:231
Potassium-Channel
- Biomembrane 4:30, 4:45
- Calcium-Channel 48:407
- Coulomb-Effect 4:45
- Culture 36:77
- Epithelial-Cell 36:23
- Epithelium 36:77
- Gallbladder 36:77
- Guinea-Pig 36:77

- Guinea-Pig-Gallbladder 36:23
- Hevea-Brasiliensis-Laticiferous 31:215
- Human-Allantochorial-Placental-Vessel 48:407
- Interaction 4:45
- Ion-Transport 4:30
- Isolated-Cell 36:77
- Large-Conductance 36:23, 36:77
- Localization 36:77
- Membrane-Potential 38:297, 48:407
- Neuronal-Cell 38:297
- Oxidative-Stress 38:297
- Primary-Cell 36:77
- Protoplast 31:215
- Regulation 36:23
- Smooth-Muscle-Cell 48:407
- Sugar-Absorption 31:215
- Unidirectional-Flux 4:45
- Vessel 31:215

Potassium-Chloride
- Cationic-Ionophore 17:223, 17:231
- Equilibrium 17:231
- Human-Erythrocyte 17:231
- Human-Erythrocyte-Suspension 17:223
- Ionic-Equilibria 17:223
- Isotonic-Unbuffered-Media 17:223, 17:231
- Membrane-Potential 17:231
- Model 17:223
- Osmotic-Equilibria 17:223
- Sodium-Chloride 17:223, 17:231
- Sucrose 17:223, 17:231
- Suspension 17:231
- Triton 17:231

Potassium-Chloride-Leakage |Alternating-Current-Field-Induced-» 22:255

Potassium-Chloride-Solution |Aerated-» 9:265

Potassium-Concentration 11:353

Potassium-Conductance 17:419

Potassium-Cyanide 47:143

Potassium-Dependent-ATPase 19:353

Potassium-Efflux 16:519

Potassium-Ion
- Calcium-Ion 3:543, 12:517, 29:103
- Excitation 3:543
- Glutathione 29:103
- Gold-Electrode 29:103
- Ion-Gate-Response 29:103
- Ionic-Selectivity 12:517
- Monolayer-Assembly 29:103
- pH 29:103
- Proteic-Phase 12:517
- Protozoan-Membrane 3:543
- Significance 3:543
- Sodium-Ion 12:517
- Transference-Number 12:517

Potassium-Ionophore 19:353

Potassium-Ionophore |Natural-» 12:593

Potassium-Response 39:115

Potassium-Salt 17:489

Potassium-Transport 33:01

Potassium-Uptake
- Activity 39:161
- Anaerobically-Grown-Cell 39:13
- Characteristics 39:13
- Comparison 39:13
- Energy-Dependent 5:554, 5:561, 17:183, 39:13, 39:161
- Escherichia-Coli 5:554, 5:561, 39:13, 39:161
- Glycolysis 39:13, 39:161
- Hydrogen-Potassium-Exchange 17:183
- Nitrate/Nitrite-Respiration 39:13
- Osmosensitivity 5:554
- Potassium-Accumulation 5:554, 5:561, 39:13, 39:161
- Respiratory-Chain 39:13
- Salmonella-Typhimurium 17:183
- Trk-Mutant 39:161

Potato-Plant 37:55

Potential
- Adsorbed 8:167
- Bacterial-Growth 12:81
- Carcinogenicity 48:129
- Carcinogenity 36:137
- Compaction 8:167
- Disaggregation-Constant 17:349
- DNA 8:167
- Electrode-Surface 8:167
- Erythrocyte-Membrane 11:353
- Flavanoid 36:137
- Hemoglobin 17:349
- Hypotonic-Hemolysis 11:353
- Lipoic-Acid 12:81
- Liquid-Membrane-System 19:301
- Membrane-Potential 19:301
- Microbial-Culture 12:81
- Model 8:167
- Natural-Nucleoside 48:129
- Null-Point 11:353
- Oligomeric-Equilibria 17:349
- Peak 19:301
- pH-Jump 19:301
- Pi-State 8:167
- Polarographic-Property 48:129
- Polarography 36:137
- Poly-Electrolyte 8:167
- Potassium-Concentration 11:353
- Potentiometry 12:81
- Prediction 17:349
- Propolis 36:137
- Reduction 12:81
- Relaxation 19:301
- Surface-Free-Energy 17:349
- Synthetic-Analogue 48:129
- Theory 19:301
- Time-Signal 12:81
- Valinomycin 11:353

Potential-Control 43:61

Potential-Controlled 20:169

Potential-Dependence
- Bilayer-History 37:61
- Charged-Surface 7:317
- DNA 7:317
- Double-Helix 7:317
- Electric-Property 37:61
- Interaction 7:317
- Mechanical-Property 37:61
- Mercury-Electrode 7:317
- Nucleic-Acid 7:317
- pH-Dependence 7:317
- Solvent-Redistribution 37:61
- Structural-Change 7:317
- Supported-Lipid-Bilayer 37:61
- Surface-Potential 37:61

Potential-Difference 4:185

Potential-Spike 19:291

Potential-Time-Signal 17:43

Potential-Use 20:133

Potential-Well 35:71

Potentiometric-Control 2:26

Potentiometric-Data 12:443

Potentiometric-Recording 47:143

Potentiometric-Resolution 7:775

Potentiometric-Titration 2:93

Potentiometry
- Antibiotics 17:43, 21:161
- Bacterial-Growth 12:81, 12:93
- Bactericidal-Efficacity 12:93
- BC-Complex 28:401
- Beta-Lactam 17:43
- Cadmium 6:337
- Camelus-Dromedarius 15:521
- Cobalt(II) 6:337
- Comparison 21:161
- Complexation 6:337
- Copper 6:337
- Drug 12:93
- Enzymatic-Decarboxylation 3:106
- Enzyme-Electrode 34:195
- Experiment 17:43
- Gel-Immobilized 8:379
- Glucose-Concentration 6:19, 8:379
- Glucose-Dehydrogenase-Electrode 8:379
- Glucose-Oxidase 34:195
- Glucose-Oxidase–Catalase-Electrode 6:19
- Glutamic-Acid 3:106
- Gram-Positive 21:161
- Hemoglobin 15:521
- Imidazole 6:337
- In-Situ 28:401
- In-Vitro 21:161
- Lipoic-Acid 12:81, 12:93, 17:43, 21:161
- Macrolide 21:161
- Metal-Ion-Equilibria 8:49
- Microbial-Culture 12:81, 12:93, 17:43
- Midpoint-Potential 28:401
- Modeling 17:43
- Nickel 6:337
- Organism 21:161
- Photosynthetic-Bacteria 28:401
- Physiological-Condition 6:337, 8:49
- Potential 12:81
- Potential-Time-Signal 17:43
- Proton 6:337
- Proton-Transport 28:401
- Pyruvic-Acid 3:106
- Quantitation 6:19
- Redox-Property 15:521
- Reduction 12:81, 12:93, 17:43
- Significance 28:401
- Susceptibility 21:161
- Time-Signal 12:81
- Total-Parenteral-Nutrition 8:49
- Trace-Metal-Requirement 8:49
- Zinc 6:337
- Zinc-Cysteine-Histidine 8:49
- Zinc-Glycine 8:49
- Zinc-Glycine-Cysteine-System 8:49
- Zinc-Glycine-Histidine-System 8:49
- Zinc-Histidine 8:49

Potentiometry |Adsorptive-Stripping-» 40:41

Potentiometry |Enzymatic-»
- Human-Serum 5:63
- Oxalic-Acid 2:348
- Urea 5:63

Potentiometry |H+-» 33:83

Potentiostasis 2:198

Power-Consumption 3:272

Power-of-Energization 12:253

Practical-Application 42:141

Pre-Irradiated 31:193

Preadsorption 31:311

Precancerous-Stage 18:271

Precipitation 30:13

Precipitation |Electric-Pulse-Induced-» 48:249

Precision-Measurement 37:01

Preconcentration 12:225

Predicting 41:115

Prediction
- Bioeffective 48:27
- Deposition 35:103
- Disaggregation-Constant 17:349
- Electromagnetic-Energy 35:103
- Electromegnetic-Field-Signal 48:27
- Hemoglobin 17:349
- Ion/Ligand-Binding 48:27
- Kinetics 48:27
- Living-Tissue 35:103
- Moment-Method 35:103
- Numerical-Approach 35:103
- Oligomeric-Equilibria 17:349
- Potential 17:349
- Surface-Free-Energy 17:349
- Waveform-Parameter 48:27

Prehyperchromic-Degradation 1:126

Preintegrative-Step 44:279

Premature-Terminal-Differentiation 27:269

Preparation
- Absorbed 4:231
- Anomalous-Behaviour 5:776
- Aqueous-Solution 4:231
- Avidin–Biotin-Interaction 41:127
- Bacterial-Electrode 21:223
- Bacterial-Photosynthetic-Membrane 41:127
- Bienzyme-Sensor 24:305
- Broad-Bean-Leaf 5:776
- Calcium-Dependence 35:57, 43:233
- Carbon-Paste-Electrode 28:117, 48:95
- Cell-Free 43:233
- Characterization 28:117
- Comparison 21:223
- C_{60} 48:95
- Electrochemical-Method 6:441
- Electrokinetics 4:231
- Enzyme 28:117, 35:57
- Epidermis-Cuticle 5:776
- Fragile 28:117
- Fullerene 48:95
- Immobilized 28:117, 41:127
- Interaction 4:231
- Lipid-Layer 4:231
- Mediatorless-Peroxidase-Electrode 24:305

- Modulation 35:57, 43:233
- Multilayer 41:127
- Myosin 35:57, 43:233
- Orientation 41:127
- Phenylalanine 21:223
- Phosphorylation 35:57, 43:233
- Photoinduced-Electron-Transfer 48:95
- Plant-System 5:776
- Proteus-Mirabilis 21:223
- Proteus-Vulgaris 21:223
- Solar-Cell 48:95
- Solid-Surface 41:127
- Static-Magnetic-Field 35:57
- Structure 4:231
- Synthetic-Chlorophyll-Analogue 48:95
- Tetrahydrofolic-Acid 6:441
- Weak-Static-Magnetic-Field 43:233

Preserving 40:181
Pressure-Mediated 42:283
Prethrombin-Domain 29:149
Prevention
- Calmodulin 42:207
- Calpain 42:207
- Connexin 42:207
- Magnetic-Field-Induced-Neurite-Outgrowth 39:77
- Melatonin 39:77
- Pheochromocytoma-Cell 39:77
- Proteolysis 42:207

Primary-Act 1:407
Primary-Cell
- Culture 36:77
- Electroporation 28:269
- Epithelium 36:77
- Gallbladder 36:77
- Guinea-Pig 36:77
- Human-Cell-Grown-Monolayer 28:269
- Isolated-Cell 36:77
- Large-Conductance 36:77
- Localization 36:77
- Potassium-Channel 36:77
- Transformed-Cell 28:269

Primary-Process
- Acid 25:415
- Cyclic-Voltammetry 25:415
- Methyl-Pheophorbide 25:415
- Pheophytin-Enol-Iminium 25:415
- Photosynthesis 1:438
- Photosystem-II 1:438, 25:415
- Reaction-Center 1:438
- Spectroelectrochemical-Titration 25:415

Primary-Root 7:345
Primary-Root-Growth-Rate 44:271
Primate-Species 12:193
Primed-Cell 43:55
Primordial 14:29
Principle
- Artificial-Neural-Network 40:99
- Biological-Cell-Suspension 40:99
- Charge-Injection 2:13
- Electric-Stimulation 2:13
- Metabolic-Substrate 40:99
- Multivariate-Calibration 40:99
- Nervous-System 2:13
- Noble-Metal-Electrode 2:13
- Nonlinear-Dielectric-Spectroscopy 40:99
- Rapid-Noninvasive-Quantification 40:99

Probe
- Biological-Charged-Interface 5:185
- Deoxyribose 45:123
- Distorted-Region 12:135
- DNA-Double-Helix 12:135
- Electric-Field 5:185
- Electroactive-Marker 12:135
- Electroinduced-Pore 42:179
- Hydroxyl-Radical 45:123
- Inner-Layer 5:185
- Ionizing-Radiation 42:179
- Kinetics 42:179
- Membrane-Modification 42:179
- Mercury-Electrode 45:123
- Organic-Electrosorption 5:185
- Polynucleotide-Chain 12:135
- Reaction-Rate-Constant 45:123
- Water-Structure 5:185

Product 8:355
Production 43:217
Prokaryote 24:313
Prokaryotic-Cell 44:103
Prokaryotic-Membrane 15:183
Proliferation
- 835-MHz-Electromagnetic-Radiation 43:13
- Denitrifying-Bacterium 44:275
- Electrostimulation 38:423, 44:275
- Extremely-Low-Frequency-Electric-Field 47:349
- Human-Astrocytoma-Cell-Line 43:13
- In-Vitro 30:151
- Inhibition 43:13
- Morphological-Change 43:13
- Mouse-Osteoblastic-Cell 47:349
- Pseudomonas-Stutzeri 44:275
- Strong-Pulsed-Magnetic-Field 30:151
- Tumor-Cell 30:151
- Yeast 38:423

Proliferation-Rate 45:261
Proliferation-Response 43:67
Proliferative-Metastatic-Activity 40:29
Proline 25:155
Propolis 36:137
Propranolol 19:499
Prostaglandin 43:55
Prostaglandin-Stimulated-Change 23:271
Prosthetic-Group 6:117
Protection 48:209
Proteic-Phase 12:517
Protein
- Acidic-Phospholipid 5:357, 5:369
- Adrenodoxin 47:75
- Adsorbed 3:253, 19:581, 41:115
- Adsorption 8:451, 14:347
- Adsorptive-Stripping-Voltammetry 19:39
- Alpha-Helix 24:113
- Amino-Acid 2:154, 19:513
- Anion-Exchange 23:337
- Aqueous-Solution 3:284
- Autoxidation 18:283
- Biomembrane 10:345
- Bipyridyl-Monolayer 14:347
- Bovine-Serum-Albumin 7:595
- Carbon-Electrode 19:581
- Catalytic-Hydrogen-Evolution 3:253
- Cell-Membrane 47:237
- Chymotrypsin 19:39
- Coenzyme-Group 4:01
- Comparison 23:337
- Complex 21:289
- Complex-Formation 19:513
- Concanavalin-A 7:595
- Copper 25:109
- Covered 14:347
- Diabetes 18:283
- Dielectric-Behavior 23:337
- Dielectric-Constant 10:345
- Dielectric-Spectroscopy 15:183
- Differential-Pulse-Polarography 25:109
- Direct-Electron-Transfer 47:75
- Disulfide 19:39
- Disulfide-Bond 3:264, 44:13
- Douple-Step-Polarographic-Wave 2:35
- Dynamics 21:289
- Electric-Injury 47:237
- Electric-Property 2:154
- Electrochemical-Oxidation 7:69, 7:595
- Electrochemical-Reaction 14:347
- Electrochemical-Reduction 3:264
- Electrochemical-Transformation 19:581
- Electrode-Process 14:417
- Electrofusion 41:161
- Electroinduction 25:183
- Electromagnetic-Field 31:27
- Electron-Transfer-Reaction 21:289
- Electronic-Fluctuation 21:289
- Electrorotation 23:337
- Electrostatic-Interaction 29:135
- Experimental-Titration-Curve 29:135
- Field-Induced-Electroconformational-Damage 47:237
- Graphite-Electrode 7:69, 8:451
- Heat-Shock 31:27
- Human-Erythrocyte 23:337
- Human-Kidney-T1-Cell 30:111
- Indirect-Electrochemical-Reduction 2:231
- Inhibition 30:111
- Inorganic-Ion 3:284
- Interaction 19:95
- Interferon-Like 25:183
- Intramembrane-Electric-Field 24:113
- Ionic-Strength-Dependence 19:95
- Ionic-Transport-Process 10:345
- Lipid/Protein-Ratio 5:369
- Mechanism 2:35, 47:237
- Membrane-Bound-Protein 21:289
- Membrane-Vesicle 15:183
- Mercury-Electrode 3:253, 14:347, 41:115, 44:13
- Mercury/Solution-Interface 22:09
- Metal 4:01
- Metalloprotein 21:289
- Mixed-Film 5:357, 5:369
- Model 19:95
- Model-Reaction 18:283
- Modification 41:161
- Modified-Gold-Electrode 47:75
- Monolayer 5:369
- Monosaccharide 18:283
- Mutant 47:75
- Myelin 5:357, 5:369
- Nucleic-Acid 7:69, 14:417, 19:95
- Nucleoprotein 3:359, 14:417
- Nucleotide 18:283
- Number-of-Electroactive-Disulfide-Bond 41:115
- Optical-Property 2:154
- Oxidative-Stress 18:283
- Photosynthetic-Reaction-Center 24:113
- Polarography 3:359, 8:151
- Poly-ADP-Ribosylation 30:111
- Polypeptide 22:09
- Predicting 41:115
- Prokaryotic-Membrane 15:183
- Qualitative-Aspect 7:69
- Quinone-Complex 2:154
- Reaction 22:09
- Reduction 44:13
- Ring-Disc-Electrode 3:284
- RNAase-A 7:595
- Sciara-Salivary-Gland-Cell 31:27
- Silver 19:513
- Similarity 31:27
- Simulated-Titration-Curve 29:135
- Simulation 19:95
- Single-Charge 24:113
- Solid-Electrode 7:595
- Solid/Solution-Interface 22:09
- Strong-Static-Magnetic-Field 30:111
- Structural 5:357, 5:369
- Sulphur-Containing-Compound 3:284
- Surface-Potential 5:357, 5:369
- Synthesis 31:27
- Theory 5:357, 23:337
- Thiol-Disulphide 3:284
- Thiol-Ester 3:284
- Trace-Measurement 19:39
- Transition-Metal 3:253
- Translational-Diffusion 15:183
- Trypsin 19:39

Protein-Adsorption-Modified 44:233
Protein-Bound 13:103
Protein-Film 3:15
Protein-Kinase-C 28:85
Protein-Orientation 34:135
Protein-Size 46:79
Protein-Solution 5:77
Protein-Structure 48:397
Protein-Subunit 4:399
Proteoliposome
- Atomic-Force-Microscopy 38:137
- ATP-Synthesis 16:167
- ATPase 16:167
- Bacteriorhodopsin 11:327
- Bimolecular-Lipid-Membrane 11:327
- Biological-Activity 38:137

• Comparison 16:167
• Complexity 16:167
• Component 38:137
• Efficiency 16:167
• Fusion 38:137
• Incorporated 38:137
• Incorporation 11:327
• Liposome 38:137
• Quartz-Crystal-Microbalance 38:137
• Solid-Substrate 38:137
• Surface-Plasmon-Resonance 38:137
Proteolysis 42:207
Proteolytic-Chain-Cleavage 5:723
Proteolytic-Enzyme 46:263
Proteus-Mirabilis
• Acoustic-Wave 44:83
• Ammonia-Sensor 44:83
• Bacterial-Electrode 21:223
• Comparison 21:223
• Detection 44:83
• Growth-Characteristics 44:83
• Phenylalanine 21:223
• Preparation 21:223
• Proteus-Vulgaris 21:223
• Temperature-Dependent 44:83
Proteus-Vulgaris 21:223
Prothrombin
• Conformational-Change 13:211
• Facilitation 20:99
• Fragment-1 13:211
• Interaction 6:537
• Mercury/Solution-Interface 13:211
• Mixed-Monolayer 6:537
• Permeability 20:99
• Phosphatidyl-Choline 6:537
• Phosphatidyl-Serine 6:537
• Phospholipid-Vesicle 20:99
• Structural-Dynamics 6:537
• Thallium-Ion 20:99
Prothrombin |Human-»
• Biological-Activity 47:57
• Domain 47:57
• Embedded-Vesicle 47:57
• Embedding 29:149
• Phospholipid-Membrane 29:149
• Prethrombin-Domain 29:149
Prothrombin-Fragment 24:13
Protomembrane |Ordered-» 9:723
Proton
• ATP-Synthesis 5:37
• Bacteriorhodopsin 26:139
• Cadmium 6:337
• Cobalt(II) 6:337
• Complexation 6:337
• Copper 6:337
• Emulsion 26:139
• Hydration-Number 5:37
• Imidazole 6:337
• Membrane 5:37
• Nickel 6:337
• Photobioelectrochemistry 26:139
• Phototransfer 26:139
• Physiological-Condition 6:337
• Potentiometry 6:337
• Thermodynamic-Implication 5:37
• Water/Lipid-Interface 26:139
• Zinc 6:337
Proton |Hydrated-» 27:235
Proton-Carrier 3:302
Proton-Displacement 16:273
Proton-Driven
• Active-Transport 31:271, 40:239
• Activity 31:271, 40:239
• Cofactor-Shuttle 31:271
• DNA-Transport 17:269
• Electrochemical-Potential-Difference 17:269
• Electron-Driven 31:271, 40:239
• Enzyme 40:239
• Enzyme-Reaction 31:271
• Evolution 31:271, 40:239
• G3P/DHAP-Shuttle 40:239
• Kinetics 31:271, 40:239
• Model 31:271, 40:239
• NAD 31:271
• NADH 31:271
• Naturally-Transformable-Bacteria 17:269
• Redox-Potential-Gradient 31:271, 40:239
• Redox-Reaction 31:271, 40:239
• Streptococcus-Pneumoniae 17:269
Proton-Flow 17:147
Proton-Ionophore 37:109
Proton–Magnesium-Exchange 20:203
Proton-Motive-Force
• Amine 12:63
• Buildup 45:181
• Carboxylic-Ionophore 12:63
• Chloroplast 12:63
• Electrogenic-Proton-Transport 45:181
• Interrelation 45:181
• Low-Concentration 12:63
• Membrane 45:181
• Modeling 45:181
• pH-Difference 45:181
• Phosphorylation-Potential 12:63
• Phosphorylation-Rate 12:63
• Photophosphorylation 12:63
• Transmembrane-Potential 45:181
• Uncoupler-Induced-Stimulation 12:63
Proton-Permeability 26:79
Proton–Potassium-Antiport 13:231
Proton-Pump
• Alternating-Current-Field 44:95
• Amplitude 44:95
• Bacteriorhodopsin 36:61
• Chemically-Driven 20:223
• Defect-Proton 9:61
• Electric-Oscillation 36:61
• Excess-Proton 9:61
• Growth-Stimulation 44:95
• Inhibitor 20:223
• Ionophore 20:223
• Light-Driven 36:61
• Lipid-Impregnated 36:61
• Low-Frequency 44:95
• Modulation 36:61
• Plasma-Membrane 44:95
• Pollen-Tube 44:95
• Porous-Membrane-Filter 36:61
• Secondary-Reaction 20:223
• Stimulation 44:95
• Translocation 9:61
• Uncoupler 20:223
Proton-Pump-Activity
• Bacteriorhodopsin 9:197
• Bacteriorhodopsin-Purple-Membrane 5:723
• Liposome 9:197
• Photobiological-Conversion 9:197
• Proteolytic-Chain-Cleavage 5:723
• Reconstituted 9:197
• Solar-Energy 9:197
Proton-Pumping |Light-Induced-» 37:157
Proton-Transfer-Step 4:225
Proton-Translocation
• ATPase 42:241
• Coupling 42:241
• Electrochemical-Process 42:241
• Incorporated 42:241
• Kinetics 3:393
• Supported-Lipid-Bilayer 42:241
• Thylakoid-Membrane 3:393
Proton-Transport 28:401
Protonation 16:371
Protonophoric-Activity 39:295
Protoplast
• Acer-Pseudoplatanus 7:377
• Additive 48:447
• Bacillus-Thuringiensis 11:181
• Chemical-Treatment 40:159
• Correlation 20:155
• Dextran-Supported-Electrofusion 38:383
• Electric-Characteristics 7:377
• Electric-Field-Effect 11:181
• Electric-Parameter-Change 40:159
• Electrofusion 20:155, 22:57, 44:233, 48:447
• Electroporation 20:155
• Electrotransformation 25:259
• Escherichia-Coli 25:259
• Free-Cell 7:377
• Fusion 11:181
• Hevea 48:135
• Hevea-Brasiliensis-Laticiferous 31:215
• High-Electric-Field-Pulse 11:181
• Hybridization 22:57
• Increase 38:383
• Isolation 40:159
• Laticifer 48:135
• Membrane 40:159
• Microbiological-Implication 11:181
• Multiple-Sugar-Uptake 48:135
• Physical-Parameter 20:155
• Plasma-Membrane 48:135
• Plasmid 25:259
• Plasmolysis 7:377
• Potassium-Channel 31:215
• Protein-Adsorption-Modified 44:233
• Saccharomyces-Cerevisiae 25:259
• Sugar-Absorption 31:215
• Trichoderma-Reesei 22:57
• Vessel 31:215
• Yeast 40:159
Protoplast-Membrane 19:217
Protozoan-Membrane 3:543
Proximal-Tubule |Isolated-» 17:419
Pseudoarthrosis |Congenital-Acquired-» 14:145
Pseudoarthrosis |Congenital-» 14:151
Pseudomonas-Aeruginosa 11:319
Pseudomonas-Stutzeri 44:275
Psoralen 31:193
Psoriasis 14:225
Psychotropic-Drug 10:25
Pteridone 1:87
Pterobilin 9:103
Pulsatile 32:89
Pulsating-Membrane-Crossing 15:505
Pulse |Exponential-High-Voltage-» 46:241
Pulse |Exponential-» 39:39
Pulse |High-Voltage-»
• Chinese-Hamster 47:97
• Destruction 43:135
• Gram-Negative-Bacterium 43:135
• Lung-Fibroblast 47:97
• Survival 47:97
• Yersinia-Enterocolitica 43:135
Pulse |Long-High-Voltage-» 47:151
Pulse |Microsecond-Controlled-» 47:103
Pulse |Short-High-Voltage-»
• Charged-Microbead 48:181
• Human-Stratum-Corneum 47:151, 48:181
• In-Vitro 48:181
• Local-Transport-Region 47:151
• Long-High-Voltage-Pulse 47:151
• Transport 48:181
Pulse-Deformation 10:467
Pulse-Parameter 37:101
Pulse-Polarography 43:181
Pulse-Radiolysis
• Alpha-Galactosyl 38:85
• Ascorbic-Acid 32:277, 38:85
• Beta-Galactosyl 38:85
• Glucoside 32:277
• Intermediate 32:277
• Oxidation 32:277
• Oxidized-Intermediate 38:85
Pulsed-Alternating-Current-Field 33:121
Pulsed-Direct-Current-Electrolysis 24:249
Pulsed-Electrical-Stimulation |Capacitive-» 13:49
Pulsed-Electromagnetic-Field
• ATP-Synthetase 32:155
• ATPase 32:155
• Biochemical-Effect 14:121
• Goldfish-Retina 12:243
• Low-Power-Laser 32:155
• Metabolism 14:93
• Myosin 32:155
• Neuritic-Outgrowth 12:243
• Rat-Skin 14:93
• Regenerating 12:243
Pulsed-Electromagnetic-Field |Weak-Low-Frequency-»
• Bioelectrical-Parameter 37:39, 37:47
• Electromagnetic-Field 37:39
• Helix-Pomatia 37:39, 37:47
• High-Frequency-Electromagnetic-Field 37:39, 37:47

• Magnetic-Field 37:39, 37:47
• Nerve-Cell 37:39, 37:47
• Vineyard-Snail 37:39, 37:47
Pulsed-High-Frequency-Field |Homogeneous-» 47:221
Pulsed-Magnetic-Field
• Biological-Effect 45:73
• Carrageenin-Edema 14:57
• Gamma-Radiation 12:555
• Human-Umbilical-Endothelial-Vein-Cell 32:125
• Infected 12:555
• Interference 45:73
• Mechanism 45:73
• Morphohistochemical-Change 14:57
• Mouse 12:555
• Pain 14:183
• Plant-Cutting 12:567
• Rat 14:63
• Rat-Paw 14:57
• Root-Development 12:567
• Sendai-Virus 12:555
• Seronegative-Spondyloarthritis 14:183
• Synergistic-Effect 12:555
• Teratology 14:63
• Toxicology 14:63
Pulsed-Magnetic-Field |100-Hz-» 43:77
Pulsed-Magnetic-Field |Extremely-Low-Frequency-» 43:221
Pulsed-Magnetic-Field |Low-Frequency-»
• Biological-Material 14:105
• Collagen-Production 14:83
• Connective-Tissue 14:83
• Culture 14:83
• Enhancement 14:83
• Ion-Transport 14:105
Pulsed-Magnetic-Field |Strong-» 30:151
Pulsed-Magnetic-Field |Weak-» 48:149
Pulsed-Microwave 30:303
Pulsed-Radiofrequency-Field |Low-Level-» 16:531
Pulsing-Electromagnetic-Field 14:161
Pulsing-Electromagnetic-Field |Low-Frequency-»
• Acute-Traumatic-Sport-Lesion 14:179
• Bone-Growth 14:235
• Bone-Non-Union 14:155
• Congenital-Acquired-Pseudoarthrosis 14:145
• Congenital-Pseudoarthrosis 14:151
• Delayed-Consolidation 14:155
• Dentistry 14:235
• Endomedullary-Nail-Fixation 14:151
• Human-Lymphocyte 19:315
• Human-Normal-Lymphocyte 14:115
• Induced-Electric-Tension 19:315
• Lectin 19:315
• Multicenter-Clinical-Trial 14:145
• Muscle-Tear 14:179
• Phytohemagglutinin 14:115
• Response-Change 19:315
• Stimulation 14:151
• Treatment 14:145, 14:151, 14:155, 14:179
Pump-Leak-Relationship 14:313
Pump–Leak-Relationship
• Electric-Coupling 14:339
• Model 14:327
• Na-K-ATPase 14:327, 14:339
• Sodium-Solute-Uptake 14:339
Pure-Phospholipid-Monolayer 28:85
Purified
• Alpha-Latrotoxin 17:361
• Chloroplast-Like 38:35
• Complex 17:361
• Cyanobacterial-Membrane 38:35
• Electric-Property 17:361
• Electron–Proton-Transport-Protein 38:35
• Functional-Characterization 38:35
• Immunological-Characterization 38:35
• Isolated 38:35
• Mitochondrium-Like 38:35
• Planar-Lipid-Bilayer 17:361
• Receptor 17:361
Purine
• Biochemistry 33:75
• Biological-Redox-Chemistry 14:251
• Biologically-Important 33:75
• Copper 39:55
• Electrochemical-Technique 14:251
• Indoleamine 33:75
• Nucleoside 39:55
• Oxidation-Chemistry 33:75
• Purine-Base 39:55
• Voltammetry 39:55
Purine |Biological-» 8:413
Purine-Base 39:55
Purine-Biochemistry 1:49
Purine-Derivative 8:621
Purple-Membrane 38:111
Purple-Membrane-Fragment
• Diamine 20:241
• Electrooptics 20:241
• Surface-Active-Substance 27:63
• Surface-Charge-Density 27:63
Purple-Membrane-Particle 12:173
Pyridine 33:171
Pyridine-Nucleotide 25:425
Pyridinium-Ion |Substituted-» 7:699
Pyridoxal 5:276
Pyridoxal-Phosphate
• Acid-Medium 12:25
• Dehydration 16:325
• Electroactive-Group 16:325
• Hydration 16:325
• Mercury-Electrode 12:25
• Normal-Hexylamine 16:317
• Schiff-Base 16:317
Pyridyl-Derivative 8:223
Pyridyl-Disulfide 29:71
Pyridyl-Disulfide-Modified 13:373
Pyrimidine
• Biologically-Important 3:41
• Electrochemically-Induced-Dimerization 1:40
• Electroreduction 3:41
• Photoadduct 3:41
Pyrimidine-Derivative 8:621
Pyrogallol 45:41
Pyrolitic-Graphite-Electrode 36:67
Pyrolytic-Graphite-Electrode
• Adsorbed 23:81
• Biological-Process 23:81
• Biomembrane-Like 48:117
• Dimyristoyl-Phosphatidylcholine 48:117
• Direct-Electron-Transfer 48:117
• Electron-Transport 23:81
• Hemoglobin 48:117
• Ubiquinone 23:81
Pyrrole-Pigment 29:01
Pyrroloquinoline
• Acid 24:193
• Acidic-Condition 24:193
• Addition 46:249
• Basic-Condition 23:227
• Biofuel-Cell 44:209
• Calcium-Ion 46:249
• Coenzyme 23:227
• Dissociation-Constant 24:193
• Electrochemical-Measurement 46:249
• Escherichia-Coli 46:249
• Ethylenediaminetetraacetic-Acid 46:249
• Glucose-Dehydrogenase 46:249
• Magnesium-Ion 46:249
• Microperoxidase-Monolayer-Functionalized-Electrode 44:209
• Neutral-Condition 23:227
• Quinone 23:227, 24:193, 44:209, 46:249
• Reduced-Form 24:193
• Spectroscopy 23:227
• Voltammetry 23:227, 24:193
Pyrromethenone 15:125
Pyruvate-Anion 19:29
Pyruvate-Synthase-System 21:245
Pyruvic-Acid
• Carbon-Dioxide 24:241
• Electrocatalysis 24:241
• Electrochemical-Fixation 24:241
• Enzymatic-Decarboxylation 3:106
• Glutamic-Acid 3:106
• Malic-Acid 24:241
• Malic-Enzyme 24:241
• Potentiometry 3:106
Quail-Embryo 30:189
Qualitative 5:43
Qualitative-Aspect 7:69
Qualitative-Discussion 6:37
Quanta 41:93
Quantitation 6:19
Quantitative
• Artificial-Planar-Bilayer-Membrane 25:163
• Bilayer-Membrane 15:243
• Biological-Relevance 7:699, 9:379
• C-T-Complex 7:699
• Calorimetry 9:379
• Cation-Exchange-Membrane 2:293
• Characterisation 2:293
• Complex 9:379
• Concentration-Profile 2:293
• Constant-Current-Density 2:293
• Current-Induced-Diffusion-Layer 2:293
• Donor–Acceptor-Interaction 7:699, 9:379
• Electric-Breakdown 15:243, 25:163
• Electroporation 25:163
• Local-Behavior 2:293
• Mechanical-Rupture 25:163
• Model 9:379
• NAD 9:379
• Phenolic-Structure 7:699, 9:379
• Reversible 15:243, 25.163
• Spectroscopy 9:379
• Substituted-Pyridinium-Ion 7:699
• Temporal-Behavior 2:293
• Theory 15:243, 25:163
• Unified 25:163
Quantitative-Characterisation 2:304
Quantitative-Dependence 37:101
Quantitative-Determination 9:761
Quantitative-Measure 9:307
Quantitative-Relationship 40:233
Quantitative-Theory
• Action-Potential-Generation-Equation 10:87
• Bioelectric-Excitation 10:87, 10:109
• Current-Generation-Equation 10:109
• Electrogenic-Ion-Transport 10:87, 10:109
• Voltage-Clamp 10:109
Quantum-Chemistry 27:161
Quantum-Dissipation 48:339
Quantum-Mechanical-Coherence 48:273
Quantum-Mechanics
• Biological-System 41:19, 41:27
• Breakthrough 41:27
• Coherent-State 41:19
• Dynamics 41:27
Quartz-Crystal-Microbalance
• Adsorption-Behavior 40:35
• Atomic-Force-Microscopy 38:137
• Biological-Activity 38:137
• Component 38:137
• Cyclic-Voltammetry 40:35
• Enzymatic-Cleavage 48:477
• Fusion 38:137
• Hydrophobicity 40:35
• Incorporated 38:137
• Liposome 38:137
• Nucleic-Acid 48:477
• Polarity 40:35
• Proteoliposome 38:137
• Real-Time-Monitoring 48:477
• Self-Assembled-Thiol-Monolayer 40:35
• Serum-Albumin 40:35
• Solid-Substrate 38:137
• Surface-Plasmon-Resonance 38:137
Quasi-Reversible 19:337
Quaternary-Ammonium-Cation-Transport

- Electrokinetic-Property-Change 10:261
- Human-Erythrocyte 23:129
- Human-Red-Blood-Cell 10:261
- In-Vitro 23:129
- Kinetic-Model 23:129
- Membrane/Electrolyte-Solution-Interface 10:261, 23:129

Quaternary-Ammonium-Salt 1:355
Quaternary-Structure-Change 17:71
Quenched-Cell 28:213
Quincke-Rotation 22:01
Quinoid-System 32:01
Quinone
- Acid 24:193
- Acidic-Condition 24:193
- Addition 46:249
- Aqueous-Solution 5:264
- Basic-Condition 23:227
- Biofuel-Cell 44:209
- Calcium-Ion 46:249
- Coenzyme 23:227
- Coulokinetic-Behaviour 5:252
- Cyclic-Voltammetry 5:264
- Dissociation-Constant 24:193
- Ehrlich-Ascite-Tumor-Cell 4:171, 5:252, 5:264
- Electrochemical-Measurement 46:249
- Escherichia-Coli 46:249
- Ethylenediaminetetraacetic-Acid 46:249
- Glucose-Dehydrogenase 46:249
- Lipid-Monolayer 4:263
- Magnesium-Ion 46:249
- Microperoxidase-Monolayer-Functionalized-Electrode 44:209
- Mouse 4:171, 5:252, 5:264
- Neutral-Condition 23:227
- Pyrroloquinoline 23:227, 24:193, 44:209, 46:249
- Quinone-Compound 5:264
- Reaction-Kinetics 5:264
- Redox-Kinetics 4:263
- Redox-Potential 5:252
- Reduced-Form 24:193
- Spectroscopy 23:227
- Voltammetry 23:227, 24:193

Quinone-Complex 2:154
Quinone-Compound 5:264
Quinone–Hydroquinone-Sesquiterpenoid 17:567
Quinonoid-Dihydropterin 10:357
Rabbit-Gallbladder
- Cell-Potassium-Activity 8:575
- Electric-Potential 1:208
- Epithelial-Cell 1:208
- Intracellular 1:208

Rabbit-Gallbladder-Epithelium 3:92
Radiation
- Erythrocyte-Membrane 38:427
- Far-Field-Zone-Radiator 43:217
- He-Ne-Laser 38:427
- Inhibition 43:217
- Interaction 38:427
- Millimeter-Wave 43:217
- Mouse-Peritoneal-Neutrophil 43:217
- Production 43:217
- Reactive-Oxygen-Species 43:217

Radiation-Induced-Formation 18:155
Radical-Anion 16:371
Radical-Formation 27:161
Radical-Reaction 7:503
Radical-Trapping 18:219
Radiofrequency-Cavity-Resonator 27:305
Radiofrequency-Dielectric-Behavior 20:83
Radiofrequency-Dielectric-Property
- Audiofrequency-Dielectric-Property 47:325
- Dielectric-Property 47:325
- Frequency-Domain-Dielectric-Spectrometer 11:15
- In-Vivo 47:325
- Measurement 11:15
- Noninvasive-Approach 47:325
- Open-Ended-Coaxial-Probe 47:325
- Rat-Liver 47:325
- Yeast-Cell 11:15

Radiofrequency-Field
- Cell-Proliferation 48:177
- Cellular-Telephone 45:103
- DNA-Damage 45:103
- In-Vitro 45:103
- Mobile-Telecommunication-Equipment 47:199
- Modeling 47:199
- Molt-4-T-Lymphoblastoid-Cell 45:103
- Neuronal-Cell 47:199
- Nonthermal-Effect 48:177

Radiofrequency-Radiation 47:253
Radiofrequency-Radiation |915-MHz-» 30:313
Radiofrequency-Radiation |Isothermal-27-MHz-»
- Cell-Cycle-Alteration 37:131
- Comparison 39:167
- Isothermal-2.45-GHz-Microwave-Radiation 39:167
- Mammalian-Cell-Cycle 39:167

Radiofrequency-Radiation |Low-Level-Modulated-» 47:247
Radiofrequency-Radiation |Modulated-» 27:179
Radiolytic-Scanning 18:59
Radioprotector 16:427
Radiowave 34:45
Ram-Sperm-Plasma-Membrane 27:41
Ranitidine 19:505
Raphanus-Sativus
- 60-Hz-Magnetic-Field 32:67
- Cr-Tuned 32:67
- Early-Growth 32:67
- Electromagnetic-Field 44:131
- Sprouting 32:67

Rapid-Electrochemical-Oxidation 26:351
Rapid-Noninvasive-Quantification 40:99
Rapid-Oxidation 24:23
Rapid-Reduction 24:23
Rat
- 50-Hz-Electric-Field 30:195
- Alternating-Magnetic-Field 14:39
- Blastomere 15:513
- Development 30:195
- Electrofusion 15:513
- Experiment 14:39
- Inflammation 14:39
- Longitudinal-Study 30:195
- Mouse 15:513
- Pulsed-Magnetic-Field 14:63
- Reproduction 30:195
- Teratology 14:63
- Toxicology 14:63

Rat-Brain 47:143
Rat-Erythrocyte 35:53
Rat-Hepatocyte 24:33
Rat-Liver
- Architecture 47:333
- Audiofrequency-Dielectric-Property 47:325
- Dielectric-Property 47:325
- Hepatocyte-Tissue 47:333
- In-Vivo 47:325, 47:333
- Modeling 47:333
- Noninvasive-Approach 47:325
- Open-Ended-Coaxial-Probe 47:325
- Radiofrequency-Dielectric-Property 47:325

Rat-Pancreas 38:377
Rat-Pancreas |Isolated-» 26:97
Rat-Paw 14:57
Rat-Skin 14:93
Rat-Subcutaneous-Glioma-Tumour 47:163
Rate-Constant
- ATP 2:321
- Binding 2:321
- Cyclic-Voltammetry 34:83
- Cyclization 34:83
- DOPA 34:83
- Equilibrium 2:321
- Nickel 2:321
- Oxidation 34:83
- Polarographic-Determination 2:321
- Polycarbazole-Modified-Electrode 34:83

Rate-Limiting-Step 17:153
Ratio-Change 46:297
Reaction
- Adsorption 2:79, 2:215
- Aldehyde 18:187
- Aqueous-Solution 18:147
- Bilayer-Lipid-Membrane 4:155
- Biofuel-Anode-Cell 16:479
- Catalyzed 38:21
- Cellular-Membrane 18:187
- Charge-Carrier 16:479
- DNA 2:79, 18:147
- Dropping-Mercury-Electrode 2:215
- Flavodoxin 38:21
- Glutamate-Synthase 38:21
- Horseradish-Peroxidase 22:197
- Hydrogen-Peroxide 18:03
- Lipid-Peroxidation 18:187
- Mercury-Electrode 8:621
- Mercury/Electrolyte-Interface 2:79
- Mercury/Solution-Interface 22:09
- Mitochondrium 4:155
- Monoraphidium-Braunii 38:21
- NAD 16:479
- NADH-Dehydrogenase-Coenzyme 4:155
- One-Electron-Acceptor 18:79
- Oxygen 18:79
- Oxyradical 18:03
- Oxytocin 2:215
- Peroxyl-Radical 18:147
- Platinum-Cathode 22:197
- Polynucleotide 18:147
- Polypeptide 22:09
- Protein 22:09
- Purine-Derivative 8:621
- Pyrimidine-Derivative 8:621
- Solid/Solution-Interface 22:09
- Temperature-Dependence 2:79
- Tetrahydropterin 18:79
- Thermodynamics 18:03
- Toxicity 18:187

Reaction-Center
- Chemically-Modified-Platinum-Electrode 26:29
- Immobilized 26:29
- Photoelectrochemical-Effect 26:29
- Photosynthesis 1:438
- Photosystem-II 1:438
- Primary-Process 1:438
- Rhodobacter-Sphaeroide 26:29

Reaction-Center |Isolated-» 38:09
Reaction-Entropy 31:289
Reaction-Intermediate 39:263
Reaction-Kinetics 5:264
Reaction-Mechanism 42:249
Reaction-Product 14:425
Reaction-Rate 7:587
Reaction-Rate-Constant 45:123
Reactivation |Electrochemically-Induced-»
- Acridine-Orange-Stain 8:387
- Chromatin 8:387, 9:645
- Feulgen-Stain 9:645
- Flow-Cytometry 8:387
- Image-Cytometry 9:645

Reactive-Oxygen-Species
- ADP-Level-Change 46:255
- ATP-Level-Change 46:255
- Far-Field-Zone-Radiator 43:217
- HL-60-Cell 46:255
- Inhibition 43:217
- Low-Frequency-Electric-Field 46:255
- Low-Intensity-Modulated-Millimeter-Wave-Radiation 46:267
- Millimeter-Wave 43:217
- Mouse-Peritoneal-Neutrophil 43:217, 46:267
- Production 43:217
- Radiation 43:217
- Treatment 46:255
- Zymosan-Activated 46:255

Reactivity
- Bile-Pigment 29:01
- Biochemical-Membrane 16:565
- Digression 16:565
- Electrochemical-Oxidation 29:01
- Electrochemical-Reduction 29:01
- Fatty-Acid 18:37
- Peroxyl-Radical 18:37
- Pyrrole-Pigment 29:01
- Weak-Electromagnetic-Field 16:565

Reactor 21:99
Reagentless-Detection 26:287
Real-Space 38:289
Real-Time 38:289
Real-Time-Analysis 45:27
Real-Time-Monitoring 48:477
Receptor
• Alpha-Latrotoxin 17:361
• Bilayer-Lipid-Membrane 36:127
• Complex 17:361
• Electric-Property 17:361
• Electrochemical-Parameter 14:449
• Energy-Transduction 14:449
• Insect-Neuron 14:449
• Lipoprotein 14:449
• Naphthoquinone 14:449
• Olfactory 36:127
• Planar-Lipid-Bilayer 17:361
• Purified 17:361
• Reconstituted 36:127
• Repellent 14:449
Receptor-Binding 28:355
Recombinant-Gene-Product 39:89
Recombination
|UV-Induced-» 43:227
Reconstituted
• Azaheme 46:175
• Bacteriorhodopsin 9:197
• Bilayer-Lipid-Membrane 36:127
• Carbon-Paste-Electrode 47:67
• Fast-Electron-Transfer 48:101
• Glucose 47:67
• Liposome 9:197
• Mesoheme 46:175
• Myoglobin 46:175
• Olfactory 36:127
• Oxidase 47:67
• Photobiological-Conversion 9:197
• Photosynthetic-Reaction-Center 48:101
• Polycation 48:101
• Proton-Pump-Activity 9:197
• Receptor 36:127
• Reversible 48:101
• Rhodobacter-Sphaeroide 48:101
• Sandwiched-Monolayer-Film 48:101
• Solar-Energy 9:197
• Wild-Type 48:101
Reconstitution
• Channel-Protein 12:341
• Cytochrome-Oxidase 23:265
• Detergent 23:265
• Glass-Patch-Pipette 12:329
• Ion-Channel 12:329
• Lipid-Bilayer 12:341
• Lipid-Bilayer-Membrane 12:329
• Nicotinic-Acetylcholine-Receptor 21:71
• Phospholipid-Vesicle 23:265
• Planar-Lipid-Bilayer 21:71
• Torpedo-Californica 21:71
• Torpedo-Electroplax 12:341
• Virtually-Solvent-Free 12:341
Recording 29:193
Recording-Configuration 48:141
Rectification 26:251
Red-Blood-Cell
• Constant-Magnetic-Field 14:495
• Electric-Property 14:495
• Electroporation 20:57
• Macromolecular-Uptake 20:57
• Osmotic-State 6:227
• Passive 14:495
• Population-Distribution 20:57
• Shape-Change 20:57
• Square-Wave-Pulse 20:57
Red-Blood-Cell
|Human-» 10:261
Red-Blood-Cell-Membrane
• Gramicidin 19:127
• Ionic-Composition-Dependence 19:127
• Lipid-Bilayer 19:127
• Magnetic-Susceptibility 30:43
• Measurement 30:43
• Melittin 40:09
• Permeability-Coefficient 19:127
• Tracer-Determined 19:127
• Tracer-Kinetics 40:09
Red-Blood-Cell-Suspension
• Cell-Morphology 6:413
• Cell-Volume-Fraction 47:81
• Conductivity 47:81
• Electrohydrodynamic-Admittance-Measurement 6:413
• Flow 6:413
• Hematocrit 6:413
• Passive-Electric-Property-Change 47:81
• Relaxation-Time-Distribution 47:81
• Wall-Potential 6:413
Red-Cell 38:99
Red-Cell-Membrane
• Adriamycin-Treated 26:177
• Chemiluminescence 27:53
• Dielectric-Spectroscopy 26:177
• Interaction 5:417, 27:53
• Passive-Electric-Property-Change 26:177
• Thiol-Compound 27:53
Redox-Behavior
• Adsorption-Behavior 9:499
• Ambazone 27:221
• Antineoplastic 27:221
• Axial-Coordination 1:108
• Benzoquinone-Guanylhydrazone-Thiosemicarbazone 27:221
• Dimethylformamide 1:108
• Electro-Optical-Technique 9:499
• Electrochemical-Effect 1:108
• Electron-Transport-Chain 9:499
• Iron-Porphyrin 1:108
• Redox-Coenzyme 9:499
Redox-Center 41:173
Redox-Chain 20:249
Redox-Characteristics 48:53
Redox-Chemistry
|Biological-» 14:251
Redox-Coenzyme 9:499
Redox-Couple 48:243
Redox-Electrode 42:95
Redox-Energy 23:105
Redox-Energy-Storage 1:14
Redox-Form 10:413
Redox-Gibbs-Free-Energy 20:195
Redox-Indicator 4:346
Redox-Kinetics 4:263
Redox-Measurement 34:177
Redox-Mechanism 7:503
Redox-Mediated 37:77
Redox-Mediator 34:169
Redox-Membrane 5:671
Redox-Microelectrode 11:365
Redox-Polymer-Modified-Electrode 11:61
Redox-Potential
• Active-Process 8:709
• Anaerobic-Growing 43:129
• Bacterial-Ferredoxin 12:509
• Biochemical-Characteristics 25:45
• Biogeocenosis 8:709
• Blood 25:45
• Characteristic-Intensity 8:709
• Clostridium-Thermocellum 12:509
• Coulokinetic-Behaviour 5:252
• Cytochrome 13:373
• Ehrlich-Ascite-Tumor-Cell 5:252
• Escherichia-Coli 43:129
• Ferredoxin 12:509
• Gold-Electrode 13:373
• Horse-Heart 13:373
• Hydrogen–Potassium-Exchange 43:129
• Metalloporphyrin 8:213
• Mouse 5:252
• pH 13:373
• Pyridyl-Disulfide-Modified 13:373
• Quinone 5:252
• Soil 8:709
• Temperature-Dependence 13:373
• Tuning 8:213
• Variation 25:45
• Voltammetry 12:509
Redox-Potential-Change
• Brain-Injury 22:403
• Dynamics 22:403
• Escherichia-Coli 32:287
• Experimental-Condition 22:403
• Extracellular-Status 32:287
• Glutathione 32:287
• Osmotic-Shock 32:287
• pH 22:403
Redox-Potential-Dependent 9:157
Redox-Potential-Gradient
• Active-Transport 31:271, 40:239
• Activity 31:271, 40:239
• Cofactor-Shuttle 31:271
• Electron-Driven 31:271, 40:239
• Enzyme 40:239
• Enzyme-Reaction 31:271
• Evolution 31:271, 40:239
• G3P/DHAP-Shuttle 40:239
• Kinetics 31:271, 40:239
• Model 31:271, 40:239
• NAD 31:271
• NADH 31:271
• Proton-Driven 31:271, 40:239
• Redox-Reaction 31:271, 40:239
Redox-Process
• DNA 5:335, 5:347, 7:503
• Electron-Exchange 5:347
• Model 5:347
• Photodynamic-Damage 5:335, 5:347, 7:503
• Photosensitization 7:503
• Physico-Chemical-Method 5:335
• Radical-Reaction 7:503
• Redox-Mechanism 7:503
• Strand-Breaking 5:347
Redox-Process
|Biological-» 2:26
Redox-Property
• Aqueous-Solution 5:661, 9:167
• Camelus-Dromedarius 15:521
• Ferriprotoporphyrin 5:661
• Hemin 1:23, 1:525
• Hemoglobin 15:521
• K-Group-Vitamin 4:335
• Ligand 1:23, 1:525
• Metalloporphyrin 3:480
• Mimetic-Activity 48:109
• Organic-Media 1:23, 1:525
• Oxygen-Binding 3:480
• Potentiometry 15:521
• Substituent-Effect 3:480
• Superoxide-Dismutase 48:109
• Thiohydrazone-Copper(II)-Complex 48:109
• Ubiquinone 9:167
Redox-Reaction
• Active-Transport 31:271, 40:239
• Activity 31:271, 40:239
• Antitumor-Activity 5:741
• Aqueous-Solution 6:405
• Artificial-Two-Phase-System 13:171
• Bilayer-Lipid-Membrane 12:529
• Bioenergetics 15:19
• Carboxylatodirhodium 5:741
• Cofactor-Shuttle 31:271
• Countercurrent-Cation-Flow 13:171
• Coupling 10:493, 13:171
• Cyclic-Voltammetry 12:529
• Cytochrome-Model 1:172
• Electron-Driven 31:271, 40:239
• Energy-Relationship 1:03
• Enzyme 40:239
• Enzyme-Reaction 31:271
• Ethioporphyrin 10:493
• Evolution 31:271, 40:239
• G3P/DHAP-Shuttle 40:239
• Gamma-Irradiation 1:118
• Human-Hemoglobin 1:118
• Interfacial-Proton-Flow 13:171
• Iron(III)-Complex 10:493
• Kinetics 31:271, 40:239
• Lipid-Bilayer-Membrane 15:19
• Mitochondrium 1:03
• Model 31:271, 40:239
• NAD 31:271
• NADH 10:493, 31:271
• Octane/Water-Interface 10:493
• Oxygen 10:493
• Oxygen-Binding-Property 1:118
• Participation 10:493
• Phosphorylation 1:03
• Porphyrin 1:172
• Proton-Driven 31:271, 40:239
• Redox-Potential-Gradient 31:271, 40:239

- Riboflavin 6:405
- Thermodynamic-Parameter 6:405

Redox-Reaction
|Light-Induced-» 9:559
Redox-Reduction 4:242
Redox-Response 37:141
Redox-Responsive 19:461
Redox-Study 5:686
Redox-System
- Energy-Transduction 5:296
- Environment 9:365
- Mechanism 5:296, 9:365
- Mediation 9:365
- Model 9:365
- Modification 9:365
- NAD 9:365
- NADH 9:365
- Oxidative-Phosphorylation 5:296

Redox-System
|Biological-» 6:577
Redox-Transformation
- Analog 33:181
- Coenzyme 33:181
- Electrochemical-Spectroscopy 33:181
- Methylguanine 33:181
- Model-Compound 9:287
- NAD^+ 9:287, 33:181

Reduced-Form 24:193
Reduced-Level 42:235
Reducing-Site 28:205
Reduction
- Adenine 5:625, 14:503
- Adenine-Moiety 5:625
- Adenine-Nucleotide 15:317
- Adsorbed 19:337
- Adsorption 2:204, 3:241, 4:369
- Antibiotics 17:43
- ATP-Production 12:167
- Bacterial-Growth 12:81, 12:93
- Bactericidal-Efficacy 12:93
- Beta-Lactam 17:43
- Bioelectrocatalysis 27:475
- Biomass 46:105
- Biosynthetic-Polynucleotide 2:204
- Capacitive-Measurement 46:105
- Catalyst 10:485
- Chemical-Coupling 12:167
- Chronoamperometry 12:575
- Clostridium-Pasteurianum 12:575
- Cluster 12:575
- Cobalt(II)-Chlorophyll 40:257
- Coenzyme 14:503
- Complex 10:485
- Control 9:551
- Controlled-Potential-Method 1:427
- Covalent 10:69
- Cytochrome 4:512, 25:447, 42:249
- Dielectric-Spectroscopy 46:105
- Dimer 10:69
- Disulfide-Bond 44:13
- DNA 3:241, 4:369
- Drug 12:93
- Electrocatalysis 4:18
- Electrochemical-Reduction 14:503
- Electrochemically-Driven 27:495
- Electrode-Polarization 46:105
- Escherichia-Coli 32:267
- Ethioporphyrin 10:485
- Experiment 17:43
- $FADH_2$ 27:495
- Ferredoxin 12:575
- Ferricyanide 32:267
- $FMNH_2$ 27:495
- Frequency-Method 46:105
- Guanosine 21:83
- Halogen-Anion 9:551
- Hanging-Mercury-Drop-Electrode 2:204
- Hemoglobin 19:337
- Hydrated-Chlorophyll 29:305
- Hydrophobic 9:551
- In-Vivo 1:427
- Kinetics 12:575
- Light-Dependent 29:305
- Lipid-Bilayer-Modified-Electrode 25:447
- Lipoic-Acid 12:81, 12:93, 17:43
- Low-Molecular-Weight 32:267
- Measurement 1:427
- Mechanism 4:512, 18:59
- Mercury-Electrode 2:204, 4:369, 4:512, 15:317, 21:83, 44:13
- Mercury/Electrolyte-Interface 3:241
- Metal-Complex 10:69
- Methemoglobin 4:512
- Methylene-Blue 19:337
- Methylviologen 12:575
- Microbial-Culture 12:81, 12:93, 17:43
- Modeling 17:43
- Modified-Electrode 19:337
- Molecular-Recognition 42:249
- Monolayer 29:305
- NAD 5:625
- NADH 10:485
- $NADP^+$ 27:495
- NAD^+ 14:503, 27:475
- Natural-Polynucleotide 2:204
- Octane/Water-Interface 9:551, 10:485
- Oligomer 29:305
- Organic-Metallic-Complex 4:18
- Oxidation 1:427, 10:485, 18:59, 19:337
- Oxygen 4:18, 12:167, 29:305
- Participation 14:503
- Photosystem-I 42:249
- Plastocyanin 42:249
- Platinum-Electrode 40:257
- Polyamine 4:369
- Polyriboadenylic-Acid 2:204
- Porphyrin 9:551, 10:69
- Potential 12:81
- Potential-Time-Signal 17:43
- Potentiometry 12:81, 12:93, 17:43
- Protein 44:13
- Quasi-Reversible 19:337
- Radiolytic-Scanning 18:59
- Reaction-Mechanism 42:249
- Specific-Adsorption 9:551
- Spectroelectrochemistry 19:337
- Thiol 32:267
- Time-Signal 12:81
- Vitamin-C 18:59
- Vitamin-E 18:59
- Vitamin-K3 10:485

Reduction |Bioelectro catalyzed-» 29:29
Reduction |Catalytic-» 46:193
Reduction |Cathodic-»
- Electrocatalysis 6:393
- Globular-Protein 3:328
- Interfacial-Behavior 3:328
- Laccase 6:393
- Oxygen 6:393

Reduction |Indirect-» 38:09
Reduction
|Light-Induced-» 16:125
Reduction-Potential
- Acidity 22:187
- Adenine 48:69
- Antimycobacterial-Agent-Activity 21:269
- Benzodiazepine 16:407
- Benzodiazepine-Iminium 16:407
- Bovine-Superoxide-Dismutase 39:291
- Bridging-Imidazolate 39:291
- Bulk-Solvent-Structure 5:196
- Charge-Transfer 16:407
- Classification 48:69
- Correlation 16:407, 36:171
- Cytochrome 5:196
- Cytosine 48:69
- Dissociation 39:291
- Drug-Activity 16:407, 36:171
- Electron-Affinity 48:69
- Ferrioxamine-B 22:187
- Guanine 48:69
- Half-Wave 48:69
- Increase 22:187
- Mechanism 16:407
- Organic-Molecule 48:69
- Porcine 39:291
- Structure 16:407, 36:171
- Temperature-Dependence 5:196
- Thiobarbiturate 36:171
- Thymine 48:69
- Uracil 48:69

Reduction-Product 7:333
Reductive-Activation 27:161
Regenerating 12:243
Regeneration
- Alternating-Weak-Electric-Field 44:257
- Denervated-Limb 5:88
- Direct-Current 5:88
- Electric-Induction 8:661
- Electrode-Position 8:661
- Induction 5:88
- Limb 8:661
- Salamander 5:88
- Stimulation 44:257
- Sub-Adult-Rat 8:661
- Tobacco-Shoot 44:257

Regenerative-Dialysis-System 7:469
Regenerative-Hemodialysis 22:341
Regularity 31:49
Regulation
- Activation 20:249
- Aerobic-Bacteria 20:249
- Biological-Understanding 22:241
- Bone-Formation 35:87
- Catalysis 33:31
- Compartmental-System 17:205
- Conformational-Transition 15:79
- Connective-Tissue 22:241
- Core 38:67
- Cytochrome-Oxidase 15:79
- Direct-Electric-Field 17:205
- Electric-Property 25:357
- Electron-Transfer 38:67
- Energy-Dependent 6:315
- Enzyme-Activity 17:205
- Epithelial-Cell 36:23
- Escherichia-Coli 6:315
- Eukaryotic-Gene-Expression 25:357
- Fluidity 42:59
- Functioning 20:249
- Growth-Factor 35:87
- Guinea-Pig-Gallbladder 36:23
- Heterogeneity 38:67
- Higher-Plant 38:67
- Hydrogen-Potassium-Pump 6:315
- Hyperpolarization 20:249
- H^+-ATP-Synthase 33:31
- H^+-ATPase 20:249
- Immobilized-Glucose-Oxidase 42:59
- Insulin-Like 35:87
- Large-Conductance 36:23
- Lipid-Bilayer 42:59
- Lipid-Bilayer-Film-Electrode 42:59
- Magnetic-Field 35:87
- Matrix 22:241
- Mediated-Electron-Transfer-Reaction 42:59
- Membrane 20:249
- Model 20:249
- Native-Collagen-Fibril-Biosensor 22:241
- Nuclear-Envelope 25:357
- Periplasmic-Protein 6:315
- Phosphorylation 38:67
- Photosystem-II 38:67
- Potassium-Accumulation 6:315
- Potassium-Channel 36:23
- Redox-Chain 20:249
- Rhodobacter-Capsulatus 33:31
- Signal-Conductor 22:241
- Transmembrane-Proton-Gradient 33:31
- Tuning 42:59
- Utilizable-Sugar 20:249

Regulatory-Action 39:155
Relative-Stability 4:98
Relaxation
- Bilayer-Lipid-Membrane 46:01
- Capacitance 46:01
- Cell-Membrane 7:723
- Electrostriction 46:01
- High-Electric-Field 7:723
- Lipid-Bilayer 7:723
- Liquid-Membrane-System 19:301
- Membrane-Potential 19:301
- Peak 19:301
- pH-Jump 19:301
- Potential 19:301
- Surface-Potential 46:01
- Tetracaine 46:01
- Theory 19:301

Relaxation-Time 18:179
Relaxation-Time-Distribution 47:81
Release-Process 5:504

Removal 11:347
Renal-Tubular-Fluid 11:365
Reorientation 7:517
Repair-Process 3:370
Repeated 28:127
Repellent 14:449
Replication
• 50-Hz-Electromagnetic-Field 44:279
• Bovine-Articular-Chondrocyte-Explant 44:127
• Culture 44:127
• Incorporation 44:127
• Leukemia/Lymphoma 44:279
• Murine-Retrovirus 44:279
• Preintegrative-Step 44:279
• Sulfate 44:127
Reproduction 30:195
Reproductive-System 38:173
Resealing 26:01
Resonance 43:27
Resonance-Effect 37:85
Resonance-Theory 38:161
Resonant 36:09
Respiration 23:361
Respiratory-Activity 26:423
Respiratory-Chain 39:13
Response-Change 19:315
Resting-Membrane-Potential 6:273
Resting-Potential
• Computation 7:25
• Neoplastic-Tissue 27:23
• Nerve-Axon-System 7:25
• Normal-Tissue 27:23
• Transformed 27:23
• Transmembrane-Potential-Difference 27:23
Retinal-Bacteriorhodopsin 5:713
Retinoic-Acid 43:55
Reversal 9:459
Reversible
• Acinar-Cell 26:97, 38:377
• Artificial-Planar-Bilayer-Membrane 25:163
• Bilayer-Membrane 15:229, 15:243
• Blebbing 26:97
• Cellular-Energy 38:377
• Conduction 15:229
• Electric-Breakdown 9:141, 9:149, 13:191, 15:229, 15:243, 25:163
• Electrophotoluminescence 13:191
• Electroporation 25:163
• Electropulsation 26:97, 38:377
• Fast-Electron-Transfer 48:101
• Isolated-Rat-Pancreas 26:97
• Mechanical-Rupture 25:163
• Mechanism 9:149
• Membrane-Perforation 26:97, 38:377
• Modified-Bilayer-Lipid-Membrane 9:141
• Onset-Criteria 15:229
• Photosynthetic-Reaction-Center 48:101
• Polycation 48:101
• Quantitative 15:243, 25:163
• Rat-Pancreas 38:377
• Reconstituted 48:101
• Rhodobacter-Sphaeroide 48:101
• Sandwiched-Monolayer-Film 48:101
• Swollen-Vesicle 13:191
• Theory 15:243, 25:163
• Thylakoid-Membrane 13:191
• Transient-Aqueous-Pore 15:229
• Unified 25:163
• Uranyl-Ion 9:141, 9:149
• Wild-Type 48:101
Revisited
• Early-Receptor-Potential 5:425
• Electrochemical-Potential 28:05
• Generation 5:425
• Mechanism 5:425
Rheologic-Property 35:29
Rheology 36:101
Rhodizonic-Acid 7:333
Rhodobacter-Capsulatus
• Catalysis 33:31
• H^+-ATP-Synthase 33:31
• Nonlinear-Dielectric-Property 29:205
• Regulation 33:31
• Transmembrane-Proton-Gradient 33:31
Rhodobacter-Sphaeroide
• Chemically-Modified-Platinum-Electrode 26:29
• Fast-Electron-Transfer 48:101
• Immobilized 26:29
• Photoelectrochemical-Effect 26:29
• Photosynthetic-Reaction-Center 48:101
• Polycation 48:101
• Reaction-Center 26:29
• Reconstituted 48:101
• Reversible 48:101
• Sandwiched-Monolayer-Film 48:101
• Wild-Type 48:101
Rhodopseudomonas-Capsulata 7:575
Rhodopseudomonas-Viridis 34:135
Riboflavin
• Adsorbed 26:307
• Aqueous-Solution 6:405
• Coenzyme 26:307
• Electrochemiluminescence 27:141
• Flavin 26:307
• Interfacial-Electron-Transfer 26:307
• Intermolecular-Energy-Transfer 27:141
• Redox-Reaction 6:405
• Textured-Titanium-Dioxide-Film 26:307
• Thermodynamic-Parameter 6:405
Ring-Disc-Electrode 3:284
Rising-Phase 17:153
Risk-Assessment 35:01
RNA 3:373
RNAase-A
• Adsorption 15:103
• Adsorption-Isotherm-Plot 15:103
• Bovine-Serum-Albumin 7:595
• Concanavalin-A 7:595
• Cytochrome 15:103
• Electrochemical-Oxidation 7:595
• Graphite-Paste-Electrode 15:103
• Graphite-Powder/Liquid-Interface 15:103
• Linear-Sweep-Voltammetry 15:103
• Parallel 15:103
• Protein 7:595
• Solid-Electrode 7:595
Rodent 30:203
Root-Cap-Cell 44:261
Root-Development 12:567
Root-Growth 44:261
Root-System-Tissue 10:405
Rotating-Disc-Electrode 33:55
Rotating-Disk-Electrode 10:213
Rotation 10:155
Rubidium-Uptake 3:230
Ruby-Laser
|High-Peak-Power-» 8:315
Rupture |Electrically-Stimulated-» 22:23
Ruthenium-Complex 34:169
S37-Cell
• Amino-Acid-Transport 12:37
• Amino-Acid-Transport-System 12:467
• Indirect-Action 12:467
• Ion 12:467
• Sodium-Dependence 12:37
Saccharomyces-Cerevisiae
• 60-Hz-Alternating-Current-Magnetic-Field 43:83
• Alkaline-Earth-Ion 46:293
• Biological-System 24:83
• Bipolar-Electric-Pulse 46:285
• Carbon-Dioxide 23:361
• Carbonic-Anhydrase 23:361
• Chemiluminescence 44:77
• Efficiency 46:285
• Electromagnetic-Field-Parameter 43:67
• Electropermeability 48:485
• Electropermeation 46:293
• Electrotransformation 25:259
• Environmental-Factor 27:57
• Escherichia-Coli 25:259
• Extracellular-Alkali-Ion 46:293
• Facilitated-Diffusion 23:361
• Gene-Expression 31:167, 43:83
• Increase 46:285
• Individual-Cell 28:235
• Low-Frequency-Electric-Field 31:167
• Low-Frequency-Magnetic-Field 31:167
• Lucigenin 44:77
• Macromolecule-Uptake 28:235
• Multiple-Cell-Generation 43:83
• Multiple-Pulse-Electroporation 28:235
• Nonlinear-Dielectric-Property 24:83
• Parameter 48:485
• Plasmid 25:259
• Plating 46:285
• Proliferation-Response 43:67
• Protoplast 25:259
• Respiration 23:361
• Treatment 46:285
• Ultraweak-Luminescence 27:57
• Voltammetry 43:293
• Yeast 27:57, 43:67
Saccharomyces-Cerevisiae-Suspension 25:395
Salamander 5:88
Salivary-Gland-Cell
• Chromosome 28:311, 31:39
• Drosophila-Melanogaster 28:311, 31:39
• Low-Frequency-Electromagnetic-Field 28:311, 31:39
• Transcription-Change 28:311, 31:39
Salmonella 24:41
Salmonella-Typhimurium 17:183
Salt-Effect 38:169
Sample-Chamber 26:205
Sample-Quality 7:793
Saponin 17:35
Sarcoplasmic-Reticulum
• Actomyosin 6:323
• ATPase-Induced-Increase 6:323
• Calcium-ATPase 17:473
• Cellular-Work 6:123, 6:323
• Light-Scattering 6:123
• Measurement 6:123
• Microviscosity 6:323
• Performance 6:123, 6:323
• Phosphoenzyme 17:473
• Spin-Probe 17:473
• Vesicle 6:123
• Vesicle-Suspension 6:323
• Water 6:123, 6:323, 17:473
Scanning-Curve 20:45
Scanning-Tunneling-Microscopy
• Biology 27:235
• Covalently-Immobilized-Cytochrome 44:57
• Current-Carrier 27:235
• Electrocatalytic-Property 39:267
• Glucose-Oxidase 29:47
• Horseradish-Peroxidase 39:267
• Hydrated-Proton 27:235
• In-Situ 39:267
• In-Situ-Imaging 44:57
• Nicotinamide-Coenzyme 29:215
• Oxidation 29:215
• Polypyrrole-Film 29:47
• Structure 39:267
• Surface-Fouling 29:215
• Third-Generation-Biosensor 29:47
• Tunneling-Electron 27:235
Schiff-Base
• Manganese-Cobalt-Complex 48:53
• Normal-Hexylamine 16:317
• Photosynthesis 48:53
• Pyridoxal-Phosphate 16:317
• Redox-Characteristics 48:53
• Water-Oxidizing-Complex 48:53
Sciara-Salivary-Gland-Cell 31:27
Sea-Urchin-Embryo 43:161
Secondary-Ligand
• Complex-Formation 9:627, 9:639
• Copper-Phenanthroline-Complex 9:627, 9:639
• Electrode-Behavior 9:627, 9:639

- Ligand 9:627, 9:639
- Nitrogen-Donor-Atom 9:627, 9:639
- Oxygen-Donor-Atom 9:627, 9:639
- Pi-Acid 9:627, 9:639
- Solution 9:627, 9:639
- Ternary-Complex 9:627, 9:639

Secondary-Reaction 20:223
Secretion
- Control-Mechanism 38:251
- Effective-Production 24:41
- Electrochemical-Technique 38:251
- Electrofusion 24:41
- Electrophysiology 38:251
- HC-Antigen 24:41
- Hybridoma 24:41
- Monoclonal-Antibody 24:41
- Neuroendocrine-Cell 38:251
- Salmonella 24:41

Secretory-Difference 17:105
Sedimentation 36:161
Segmentary-Electron-Input 17:105
Selection-Rule 27:405
Selective 23:217
Selective-Electrode
- Amperometry 16:05
- Bacteria 16:05
- Biomedical-Measurement 3:158
- Design 3:158
- Immobilized 16:05
- Kinetic-Model 16:05
- Miniaturized 3:158
- Sensor 3:158

Selective-Occlusion 7:255
Selectivity-Improvement 25:19
Selenium-Glutathione-Peroxidase 18:247
Self-Assembled-Cysteamine-Monolayer
- Bonded-Oxygen 45:287
- Covalently-Bound 44:45
- Dopamine 44:45
- Electrocatalytic-Oxidation 44:45
- Electrochemical-Reduction 45:287
- Gold-Electrode 44:45
- Modified-Gold-Electrode 45:287
- NADH 44:45
- Oxyhemoglobin 45:287

Self-Assembled-Lipid-Bilayer 22:211
Self-Assembled-Membrane 42:35
Self-Assembled-Monolayer
- Bioelectrochemical-Interface 42:15
- Capacitance 44:163
- Characteristics 44:163
- Characterization 42:15
- Gold-Electrode 44:163
- X-Ray-Photoelectron-Spectroscopy 42:15

Self-Assembled-Monolayer-Electrode 46:193
Self-Assembled-Thiol-Monolayer
- Adsorption-Behavior 40:35
- Bioelectrochemistry 42:07
- Biosensor 42:07
- Bound 29:127
- Catalytic-Capability 29:127
- Cyclic-Voltammetry 40:35
- Diaphorase 29:127
- Gold-Electrode 29:127, 42:07
- Hydrophobicity 40:35
- Polarity 40:35
- Quartz-Crystal-Microbalance 40:35
- Serum-Albumin 40:35

Self-Assembly 24:01
Self-Association 16:449
Self-Complementary-Decamer 23:285
Self-Electrophoretic-Mechanism 2:52
Self-Oscillation
- Membrane 25:91
- Model 25:91
- Pacemaker-Cell 17:559
- Statistical-Pore 25:91

Self-Stacking 9:219
Self-Trapping-Mechanism 41:43
Semiconductor 40:197
Semiconductor-Protein-Interface 20:269
Sendai-Virus 12:555
Senile-Degenerative-Arthritis 14:187
Sensitive
- Dicyclohexylcarbodiimide 5:567
- Electrode 6:477
- Energy-Dependent 5:567
- Escherichia-Coli 5:567, 6:477
- Hydrogen-Potassium-Exchange 5:567
- Ion-Conductor 24:263
- Lipid-Coated-Electrode 23:217
- Membrane-Potential 6:477
- Molecular-Charge 24:263
- Potassium-Accumulation 5:567
- Selective 23:217
- Stoichiometry 5:567
- Tetraphenyl-Phosphonium 6:477
- Tricyclic-Antidepressant 23:217
- Voltammetry 23:217

Sensitivity
- Applied-Electric-Field 43:285
- Cell 30:161, 48:35
- Chinese-Hamster-Ovary-Cell 48:17
- Complex 23:203
- Electric-Stress 48:17
- Electromagnetic-Field 30:161
- Environmental 30:161
- Exogenous-Field 48:35
- Flavinmononucleotide 23:203
- Glucose-Oxidase-Electrode 23:203
- Initial-State 48:35
- Localized 48:17
- Target-System 48:35
- Tetracyanoquinodimethane 23:203
- Tetrathiafulvalene 23:203
- Theory 43:285
- Therapeutic 30:161
- Tissue 30:161, 48:35
- Transmembrane-Voltage 43:285

Sensitizer-Uptake 47:175
Sensor 3:158
Separate-Effect 31:49
Sequence
- Amperometry 11:307
- Cell-Membrane 15:447
- Cholesterol 11:307
- Electrode 11:307
- Energetics 15:447
- Enzyme 11:307
- Enzyme-System 15:447
- Intracellular 15:447
- Transductive-Coupling 15:447

Sequential-Process 25:455
Sequential-Transduction 23:105
Sequestering 46:79
Seronegative-Spondyloarthritis 14:183
Serum-Albumin 40:35
Serum-Albumin |Bovine-»
- Absorption 23:177
- Activity-Coefficient 17:489
- Binding 10:289
- Bovine-Pancreatic-Trypsin 10:57, 10:289
- Comparison 10:57
- Concanavalin-A 7:595
- Concentrated-Solution 17:489
- Electrochemical-Oxidation 7:595
- Human-Serum-Albumin 10:289
- Interaction 10:441, 13:329
- Molybdate-Ion 10:441, 13:329
- Oxovanadium(V)-Anion 10:289
- Potassium-Salt 17:489
- Protein 7:595
- RNAase-A 7:595
- Solid-Electrode 7:595
- Vanadium(V) 10:57
- Water/Nitrobenzene-Interface 23:177

Serum-Albumin |Human-»
- Benzodiazepine 17:535
- Bilirubin 34:141
- Binding 10:289
- Bovine-Pancreatic-Trypsin 10:289
- Bovine-Serum-Albumin 10:289
- Circular-Dichroism 34:141
- In-Situ 34:141
- Interaction 17:535
- Oxovanadium(V)-Anion 10:289
- Polarography 17:535
- UV-Visible-Spectroelectrochemistry 34:141

Serum-Free-Medium 43:55
SH-Group-Content 8:141
SH-Groups |Number-of-» 9:419
Shape-Change 20:57
Shape-Effect 40:167
Shape-Transformation
- Electromechanical-Coupling 30:103
- Human-Erythrocyte 27:429, 30:103
- Mechanism 30:103
- Membrane 30:103
- Temperature-Dependence 27:429
- Transmembrane-Potential 30:103
- Transmembrane-Potential-Dependence 27:429

Shell 31:131
Short-Controlled-Drop-Time 13:385
Sickle-Cell-Membrane 18:257
Signal-Conductor 22:241
Signal-Stability 32:145
Signal-Transduction
- Cellular-Energy 21:319
- Circadian-Rhythm 45:111
- Electric-Field-Induced-Oscillation 21:319
- Electroconformational-Coupling 21:319
- Enzyme 21:319
- Horseshoe-Crab 45:111
- Lateral-Eye 45:111
- Photostasis 45:111

Signal-Transmitting 3:614
Signaling 46:79
Signaling-Pathway 46:129
Significance
- BC-Complex 28:401
- Biomembrane 16:273
- Calcium-Ion 3:543
- Energy-Transduction 16:273
- Excitation 3:543
- In-Situ 28:401
- Interfacial-Charge 16:273
- Mechanism 16:273
- Midpoint-Potential 28:401
- NAD^+–NADH-System 3:491
- Photosynthetic-Bacteria 28:401
- Potassium-Ion 3:543
- Potentiometry 28:401
- Proton-Displacement 16:273
- Proton-Transport 28:401
- Protozoan-Membrane 3:543
- Zero-Current-Potential 3:491

Silk-Fibroin |Regenerated-» 39:303
Silk-Fibroin-Membrane 26:167
Silver
- Amino-Acid 19:513
- Complex-Formation 19:513
- Electrically-Injected-Ion 3:49
- Gold 3:49
- Interaction 26:475
- Metallic-Silver-Surface 26:475
- Microperoxidase 26:475
- Protein 19:513
- Specific-Cellular-Effect 3:49

Similarity 31:27
Simple-Cell 19:389
Simple-Model
- Electric-Field-Modified-Collective-Excitation 41:47
- Electric-Potential-Profile 32:305
- Erythrocyte-Membrane 32:305
- Intermembrane-Communication 41:47
- Ionic-Strength 32:305
- Membrane 32:305
- Outer-Surface-Charge 32:305

Simplify 4:257
Simulating 38:185
Simulation
- Cellular-Automata 41:63
- Dynamics 41:63
- Electric-Breakdown 16:455
- Erythrocyte 16:455
- Experiment 16:455
- External-Electromagnetic-Field 41:63
- Interaction 19:95

- Ionic-Composition-Change 16:455
- Ionic-Strength-Dependence 19:95
- Laplacian-ECG 47:231
- Microtubule 41:63
- Model 19:95
- Myocardial-Infarction 47:231
- Nucleic-Acid 19:95
- Protein 19:95
- Realistically-Shaped-Torso 47:231
- Volume-Change 16:455
- Volume-Conductor 47:231

Simulative-Experiment 14:425
Simultaneous 26:277
Simultaneous-Measurement 39:01
Single-Cell 10:155
Single-Charge 24:113
Single-Defect-Membrane 6:71
Single-Neutrophil 26:413
Single-Phagocyte 41:201
Single-Pore 31:259
Singlet-Oxygen
- Aerated-Potassium-Chloride-Solution 9:265
- Biological-System 18:91
- Collodion–Oleic-Acid-Membrane 9:265
- Intervention 9:265
- Mechanism 9:265
- Methylene-Blue-Sensitized 9:265
- Photoreaction 9:265
- Photosensitive-Lipid-Membrane 9:265

Site-Binding 19:77
Skeletal-Muscle-Tissue 45:151
Skin
- Biological-Tissue 45:157
- Epithelium 3:365
- Extraction 45:157
- Frog 3:365
- Impedance-Spectroscopy 45:157
- Information 45:157
- Mechanism 3:365
- Oral-Mucosa 45:157
- Sodium-Uptake 3:365

Skin |Human-»
- Combined-Effect 39:109
- Cultured-Fibroblast 27:269
- Electroporation 39:01
- Fibroblast 39:109
- Fluorescent-Molecule 39:01
- Hyperthermia 39:109
- In-Vitro 27:269
- Low-Frequency-Electromagnetic-Field 27:269
- Lung 27:269
- Measurement 39:109
- Passive-Electrical-Property 39:01
- Photodynamic-Cell-Treatment 39:109
- Premature-Terminal-Differentiation 27:269
- Simultaneous-Measurement 39:01
- Transmembrane-Resting-Potential 39:109
- Transport-Change 39:01

Skin-Injury |Human-» 30:221
Small-Animal 30:73
Small-Applied-Voltage 11:37
Small-Intestine 1:259
Small-Molecule-Protein 7:587
Small-Neutral-Molecule 42:153
Smooth-Muscle-Cell
- Calcium-Channel 22:175, 48:407
- External-Potassium 45:131
- Human-Allantochorial-Placental-Vessel 39:203, 45:131, 48:407
- Interaction 22:175
- Membrane-Potential 39:203, 45:131, 48:407
- Potassium-Channel 48:407
- Sodium–Calcium-Antiporter 22:175

Sodium-Borohydride 22:105
Sodium–Calcium-Antiporter 22:175
Sodium-Channel
- Biomembrane 1:301
- Carboxylic-Group 12:235
- Excitable-Biomembrane 12:235
- Independence-Principle 1:301
- Neuroblastoma-Cell 26:107

Sodium-Chloride
- Calcium-Chloride 5:223
- Cationic-Ionophore 17:223, 17:231
- Equilibrium 17:231
- Human-Erythrocyte 17:231
- Human-Erythrocyte-Suspension 17:223
- Ionic-Equilibria 17:223
- Isotonic-Unbuffered-Media 17:223, 17:231
- Membrane-Potential 17:231
- Model 17:223
- Osmotic-Equilibria 17:223
- Potassium-Chloride 17:223, 17:231
- Spectrin-Solution 5:223
- Structural-Change 5:223
- Sucrose 17:223, 17:231
- Suspension 17:231
- Triton 17:231

Sodium-Chloride–Human-Serum-Albumin-Solution 6:11
Sodium-Concentration 45:127
Sodium-Current 9:603
Sodium-Dependence 12:37
Sodium-Hydrogen-Antiport 24:361
Sodium-Ion 12:517
Sodium-Potassium-Chloride-Cotransport 24:361
Sodium-Solute-Uptake 14:339
Sodium-Uptake 3:365
Soft-Tissue 16:531
Soil 8:709
Solar-Cell 48:95
Solar-Energy 9:197
Solar-Energy-Conversion 18:71
Solid-Electrode 7:595
Solid-Graphite 38:401
Solid-State 25:131
Solid-Substrate
- Atomic-Force-Microscopy 38:137
- Biological-Activity 38:137
- Component 38:137
- Fusion 38:137
- Incorporated 38:137
- Liposome 38:137
- Proteoliposome 38:137
- Quartz-Crystal-Microbalance 38:137
- Self-Assembled-Lipid-Bilayer 22:211
- Surface-Plasmon-Resonance 38:137

Solid-Support
- Bilayer-Lipid-Membrane 39:299
- Biotinylated-Phospholipid 42:35
- Direct-Current-Voltage 31:99
- Electrostriction 31:99
- Glucose-Minisensor 42:35
- Hydrocarbon 31:99
- Lipid-Bilayer 31:99
- Physical-Property 42:35
- Self-Assembled-Membrane 42:35
- Solvent 31:99
- Stabilization 39:299
- Trehalose 39:299

Solid-Supported-Membrane 45:17
Solid-Surface
- Avidin–Biotin-Interaction 41:127
- Bacterial-Photosynthetic-Membrane 41:127
- Immobilized 41:127
- Multilayer 41:127
- Orientation 41:127
- Preparation 41:127
- Spontaneous-Assembly-Bilayer-Membrane 25:317

Solid-Tumor 39:61
Solid/Liquid-Interface 13:473
Solid/Solution-Interface 22:09
Solubilization 20:291
Soluble
- Bound 2:93
- Circular-Dichroism 2:93
- Electron-Paramagnetic-Resonance-Spectroscopy 2:93
- Glucose-Oxidase 33:55
- Iron-Sulfur-Protein 2:93
- Kinetics 33:55
- Monitoring 2:93
- Optically-Coupled 5:686
- Potentiometric-Titration 2:93
- Redox-Study 5:686
- Rotating-Disc-Electrode 33:55
- Spinach-Ferrodoxin 5:686

Soluble-Domain 28:191
Soluble-Enzyme 20:215
Solution
- Adsorption-Stage 8:671, 11:457, 12:205
- Antitumor-Drug 45:33
- Association 8:671, 11:457, 12:205
- Charged-Interface 8:671, 11:457, 12:205, 16:497
- Complex-Formation 9:627, 9:639
- Copper-Phenanthroline-Complex 9:627, 9:639
- Cylindrical-Biological-Body 35:109
- Daunomycin 45:33
- DNA 45:33
- Electrode-Behavior 9:627, 9:639
- Electromagnetic-Inverse-Scattering 35:109
- Electron-Transfer 48:243
- Electrostatic-Problem 13:55
- Ferrocene 48:243
- Gold/Octadecanethiol/Lipid-Bimolecular-Lipid-Membrane-Electrode 48:243
- Guanosine 8:671
- Guanosine-Diphosphate 16:497
- Guanosine-Monophosphate 16:497
- Guanosine-Triphosphate 16:497
- Inhomogeneous-Cross-Section 35:109
- Interaction 45:33
- Interfacial-Behavior 16:497
- Ligand 9:627, 9:639
- Metallic-Electrode-Coating 13:55
- Methylguanosine 11:457, 12:205
- Modified-Born-Approximation 35:109
- Nitrogen-Donor-Atom 9:627, 9:639
- Oxygen-Donor-Atom 9:627, 9:639
- Phospholipid 12:155
- Pi-Acid 9:627, 9:639
- Plane-Permselective-Membrane 13:55
- Redox-Couple 48:243
- Secondary-Ligand 9:627, 9:639
- Solvent-Free-Bilayer 12:155
- Squalene 12:155
- Stochastic-Markov-Random-Field-Approach 35:109
- Surface 45:33
- Surface-Charge 13:55
- Ternary-Complex 9:627, 9:639
- Varying-pH 8:671, 11:457, 12:205, 16:497

Solution/Electrode-Interface 7:125
Solvent 31:99
Solvent-Free-Bilayer 12:155
Solvent-Redistribution 37:61
Somatic-Cell-Test 36:95
Somatic-Membrane 1:350
Sonoelectrochemistry 42:111
Sorbitol 28:435
Sorbose 28:435
Sorption
- Adenine-Nucleotide 9:23
- ATP-Magnesium-Salt 9:31
- Binding 9:31
- Cetyltrimethylammonium-Bromide 9:23
- Hydrocarbon/Water-Interface 9:23, 9:31
- Hydrogen-Ion-Activity 9:31
- Interaction 9:23
- Model-Reaction 9:23, 9:31
- Nucleotide 9:23, 9:31

Soybean 43:181
Spark-Discharge 36:15
Specific-Adsorption 9:551
Specific-Cellular-Effect 3:49
Specific-Electric-Signal 12:73
Specific-Electrical-Contribution 7:209
Specific-Interaction 32:295
Specific-Reduction 4:242
Spectral-Band 8:309

Spectral-Characterization 11:51
Spectral-Property
• Analog 9:79
• Artificial-Membrane 9:79
• Azide 17:369
• Binding 17:369
• Chlorophyll 9:79
• Cytochrome 17:369
• Cytochrome-Oxidase 17:369
• Liposome 9:79
• Oxidation-Reduction 17:369
• Photo-Electrochemical-Property 9:79
Spectrin 3:509
Spectrin-Solution 5:223
Spectroelectrochemical 1:389
Spectroelectrochemical-Evidence 9:273
Spectroelectrochemical-Measurement 8:63
Spectroelectrochemical-Measurement |Dynamic-» 39:95
Spectroelectrochemical-Titration 25:415
Spectroelectrochemistry
• Acceptor 17:17
• Active-Site 48:79
• Adsorbed 19:337
• Azotobacter-Vinelandii 44:301
• Bacterial-Ferritin 44:301
• Bilirubin 13:267, 26:345
• Biliverdin 26:345
• Carboxymethylated-Cytochrome 17:27
• Cytochrome 3:589, 3:596
• Cytochrome-Oxidase 3:596
• Electrooxidation 26:345
• Heme-Protein 48:79
• Hemoglobin 19:337
• Heterogeneity 48:79
• Iron-Containing-Complex 3:589
• Kinetics 3:596
• Methylene-Blue 19:337
• Modified-Electrode 19:337
• Nernst-Plot 48:79
• Oxidation 13:267, 19:337
• Pontentiodynamics 3:589
• Quasi-Reversible 19:337
• Reduction 19:337
• Water-Bounded-Chlorophyll 17:17
Spectroelectrochemistry |UV-Visible-» 34:141
Spectrophotometric-Property 11:319
Spectrophotometry 21:87
Spectroscopic-Characterization 23:311
Spectroscopic-Data 12:443
Spectroscopy
• Acid–Base-Equilibria 28:43
• Adsorbed 7:309
• Alpha-Ketoacid 28:43
• Aqueous-Solution 28:43
• Basic-Condition 23:227
• Biological-Relevance 9:379
• Calorimetry 9:379
• Chlorophyll 7:309
• Coenzyme 23:227
• Complex 9:379
• Direct-Electrochemistry 44:177
• DNA 26:15
• Donor–Acceptor-Interaction 9:379
• Electrode 7:309
• FAD 7:749
• Horseradish-Peroxidase 44:177
• Hydration–Dehydration-Equilibria 28:43
• Interaction 26:15
• Intramolecular-Electron-Transfer 5:601, 7:749
• Keto–Enol-Equilibria 28:43
• Lead 26:15
• Linear-Sweep-Voltammetry 28:43
• Membrane-Entrapped 44:177
• Model 9:379
• NAD 5:601, 9:379
• Neutral-Condition 23:227
• NMR 7:749
• Phenolic-Structure 9:379
• Pheophytin 7:309
• Polarography 28:43
• Pyrroloquinoline 23:227
• Quantitative 9:379
• Quinone 23:227
• Theory 5:601, 7:749
• Voltammetry 23:227, 26:15, 44:177
Specular-Reflectivity-Measurement 8:125
Sperm 7:447
Sperm-Cell 1:293
Spherical-Cell-Suspension 38:123
Spherical-Polyelectrolyte 38:367
Spheroplast 48:237
Spike 19:291
Spin-Probe
• Calcium-ATPase 17:457, 17:473
• Differential-Pulse-Polarography 48:233
• Electron-Spin-Resonance-Spectroscopy 48:233
• Nitroxyl-Free-Radical 48:233
• Phosphoenzyme 17:457, 17:473
• Sarcoplasmic-Reticulum 17:473
• Steady-State-Level 17:457
• Water 17:457, 17:473
Spinach-Based 27:441
Spinach-Chloroplast
• ATP 9:157
• ATP-Synthesis 22:323
• Darkness 9:157
• OH-Radical 22:323
• Oxygen-Radical 22:323
• Phenazine-Mediated 22:323
• Redox-Potential-Dependent 9:157
• Synthesis 9:157
• Toxicity 22:323
Spinach-Ferrodoxin 5:686
Spinal-Cord 7:231
Spinner-Method 26:297
Spirobenzopyran 31:161
Spontaneous 38:185
Spontaneous-Assembly-Bilayer-Membrane 25:317
Spontaneous-Oscillation 33:159
Sprouting 32:67
Squalene 12:155
Square-Topped-Field 19:389
Square-Wave-Pulse 20:57
Squid-Axon 13:439
Squid-Sensor-Array 37:51
Stability 11:231
Stabilization
• Aqueous-Media 19:161
• Bilayer-Lipid-Membrane 39:299
• Solid-Support 39:299
• Superoxide-Ion 19:161
• Trehalose 39:299
• Tryptophan 19:161
Stabilization-System 26:131
Stable-Transfer 26:339
Stacking-Interaction 19:441
Stainless-Steel 16:347
Standard-Electrode-System 19:491
Staphylococcus-Aureus-Oxford 11:273
Stationary-Ionic-State 13:71
Stationary-Phase-Specific 48:383
Stationary-State
• Axon-System 5:754
• Dielectric-Profile 6:599
• Flux 6:599
• Loligo-Forbesii 5:754
• Membrane-Potential 5:754, 6:599
Statistical-Evaluation 40:233
Statistical-Pore 25:91
Statistical-Property 6:97
Statistical-Theory 15:211
Steady-State
• 60-Hz-Magnetic-Field 36:33
• Alternating-Electric-Field 32:15
• Approximation 6:53
• Bilayer-Lipid-Membrane 6:53
• Block 36:33
• C-myc-Transcript-Level 36:33
• Calculation 6:53
• Deformation 32:15
• Diffusion 6:53
• Electric-Breakdown 6:53
• Electric-Noise 36:33
• Enhancement 36:33
• Excitable-Membrane 5:535
• Human-Leukemia-Cell 36:33
• Lifetime 6:53
• Magnetic-Noise 36:33
• Membrane 6:53
• Surface-Compartment-Model 5:535
• Vesicle 32:15
Steady-State-Level 17:457
Stearic-Acid
• Aqueous-Biological-Media 27:465
• Brain-Tissue 41:101
• Folic-Acid 27:465
• Modified-Carbon-Paste-Electrode 27:465, 41:101
• Origin 41:101
• Palmitic-Acid 27:465
• Performance 41:101
• Surfactant 41:101
• Vitamin-B9 27:465
Stem-Diameter-Change 5:152
Steric-Structure 8:293
Stimulated-Current-Flow 14:13
Stimulating-Effect 37:17
Stimulating-Electrode 3:272
Stimulation
• Alternating-Current-Field 44:95
• Alternating-Weak-Electric-Field 44:257
• Amplitude 44:95
• Bioelectrical-Effect 14:131
• Biosynthesis 19:569
• Chloroplast 46:71
• Congenital-Pseudoarthrosis 14:151
• Different-Level 33:109
• Electric-Field 14:131
• Electrochemical-Aspect 12:323
• Electrochemical-Model 19:569
• Electromagnetic-Field 40:63, 44:243
• Electromagnetic-Stress 33:109
• Electroporation 41:227
• Endomedullary-Nail-Fixation 14:151
• Enhancement 44:243
• External-Electric-Field 19:569
• Growth-Stimulation 44:95
• Human-Monocytic-Cell-Line 41:227
• Hydrogen-Peroxide 18:247
• In-Vivo 18:247
• Induction 18:247
• Interferon-Gamma-Release 44:243
• Interleukin-10 41:227
• Interleukin-6-Release 44:243
• Light-Induced-Swelling 46:71
• Low-Frequency 44:95
• Low-Frequency-Pulsing-Electromagnetic-Field 14:151
• Magnetic-Field 14:131
• Mechanism 27:27
• Metabolic-Production 18:247
• Mononuclear-Cell 44:243
• Na-K-ATPase 40:63
• Osteogenesis 12:323
• Pea-Chloroplast-Membrane 27:27
• Peripheral-Blood 44:243
• Photocurrent 46:71
• Photosystem-I 27:27
• Phytohemagglutinin 44:243
• Plasma-Membrane 44:95
• Pollen-Tube 44:95
• Polypeptide-Distribution-Change 33:109
• Proton-Pump 44:95
• Regeneration 44:257
• Selenium-Glutathione-Peroxidase 18:247
• Thermal-Stress 33:109
• Threshold 40:63
• Thylakoid-System 46:71
• Tobacco-Shoot 44:257
• Treatment 14:151
• Trypsin-Treated 27:27
Stimulation |Electromagnetic-Field-» 39:215
Stimulation |Uncoupler-Induced-» 12:63
Stochastic-Assembly 41:71
Stochastic-Markov-Random-Field-Approach 35:109
Stochastic-Model
• Electric-Field-Induced-Pore 11:479
• Electromagnetic-Exposure 29:289
• Electroporation 11:479

• Gating 29:289
• Ionic-Channel 29:289
• Membrane 11.479
Stochastic-Theory
• Bilayer-Lipid-Membrane 6:89, 6:97
• Death 6:89, 6:97
• Defect-Formation 6:89, 6:97
• Electric-Breakdown 6:89, 6:97
• Lifetime-Distribution-Function 6:89
• Membrane 6:89
• Statistical-Property 6:97
Stoichiometry
• Bilayer 20:257
• Calcium-Ion-Binding 20:257
• Cytochrome 1:389
• Cytochrome-Oxidase 1:389
• Dicyclohexylcarbodiimide 5:567
• Energetics 1:389
• Energy-Dependent 5:567, 8:17
• Escherichia-Coli 5:567
• Heme-Protein 1:389
• Hydrogen-Potassium-Exchange 5:567
• Inner-Monolayer 20:257
• Ion-Exchange 8:17
• Kinetics 1:389
• Outer-Monolayer 20:257
• Potassium-Accumulation 5:567
• Sensitive 5:567
• Sonicated-Vesicle 20:257
• Spectroelectrochemical 1:389
• Streptococcus-Faecalis 8:17
Stomatology 10:301
Storage 5:504
Strain-Improvement 17:253
Strain-Miyazaki-F 28:191
Strand-Breaking 5:347
Strange-Polymer 48:285
Strategy
• Amperometric-Sensor 31:147
• Construction 31:147
• Development 42:01
• Diphenol 31:147
• Direct-Electron-Transfer 42:01
• Minizyme 42:01
• Phenol 31:147
• Reagentless-Amperometric-Biosensor 42:01
• Tyrosinase-Based 31:147
Stratum-Corneum |Human-»
• Charged-Microbead 48:181
• In-Vitro 48:181
• Local-Transport-Region 47:151
• Long-High-Voltage-Pulse 47:151
• Short-High-Voltage-Pulse 47:151, 48:181
• Transport 48:181
Streaming-Potential 1:259
Streptococcus |Group-A-» 7:513
Streptococcus-Faecalis 8:17
Streptococcus-Lactis 17:217
Streptococcus-Pneumoniae 17:269
Streptomyces-Aurantiacus
• Antibiotics 39:295
• Aurantimycin 36:57
• Helioferin 39:295
• Lipopeptide-Antibiotics 36:57
• Lipophilic 39:295
• Membrane 36:57
• Mycogone-Rosea 39:295
• Pamamycin 39:295
• Pore 36:57
• Protonophoric-Activity 39:295
• Tertiary-Amine 39:295
Streptomyces-SPP 34:93
Stress-Factor 17:441
Stress-Induced-Electromagnetic-Emission 28:483
Stripping-Analysis 8:479
Strontium-Ion 1:200
Strontium-Uptake 16:519
Structural
• Acidic-Phospholipid 5:357, 5:369
• Adsorption 24:13
• Dynamics 24:13
• Electrode/Solution-Interface 24:13
• Lipid/Protein-Ratio 5:369
• Mixed-Film 5:357, 5:369
• Monolayer 5:369
• Myelin 5:357, 5:369
• Polarographic-Technique 3:622
• Protein 5:357, 5:369
• Prothrombin-Fragment 24:13
• Surface-Potential 5:357, 5:369
• Synthetic-Polynucleotide 3:622
• Theory 5:357
Structural-Association 19:353
Structural-Change
• Calcium-Chloride 5:223
• Charged-Surface 7:317
• DNA 7:317
• Double-Helix 7:317
• Interaction 7:317
• Mercury-Electrode 7:317
• Nucleic-Acid 7:317
• pH-Dependence 7:317
• Potential-Dependence 7:317
• Sodium-Chloride 5:223
• Spectrin-Solution 5:223
Structural-Disorder 48:469
Structural-Dynamics 6:537
Structural-Effect
• Adsorption 8:125
• Cytochrome 3:113
• Electron-Transfer 3:113
• Gold-Electrode 8:125
• Horse-Heart 3:113
• Nucleic-Acid-Base 8:125
• Nucleoside 8:125
• Nucleotide 8:125
• Specular-Reflectivity-Measurement 8:125
Structural-Force 24:101
Structural-Organization 7:101
Structural-Property 7:41
Structural-Transition 5:313
Structure
• Absorbed 4:231
• Adsorbed 28:71
• Adsorptive-Transfer-Stripping-Voltammetry 28:71
• Affinity 47:47
• Amino-Acid 44:23
• Aqueous-Solution 4:231
• Artificial-Bipolar-Lipid-Membrane 9:591
• Ascite 10:75
• Benzodiazepine 16:407
• Benzodiazepine-Iminium 16:407
• Biomembrane 1:322
• Biosensor 47:47
• Bromosulfophthalein 10:75
• Charge-Transfer 16:407
• Charged-Membrane/Water-Interface 26:63
• Cholera-Toxin-Complex 22:365
• Correlation 16:407, 36:171, 44:23
• Current–Voltage-Characteristics 34:61
• DNA 28:71
• Drug-Activity 16:407, 36:171
• Dynamics 47:47
• Electric-Property 44:23
• Electrocatalytic-Property 39:267
• Electrochemical-Determination 3:528, 4:217
• Electrochemical-Function 1:322
• Electrode-Potential 28:71
• Electrokinetics 4:231
• Energy-Dependent 8:605
• Escherichia-Coli 8:605
• Function 10:75
• Ganglioside 22:365
• Genetic-Code 44:23
• Glycolipid-Containing-Bilayer 26:63
• Gramicidin 34:61
• Gramicidin-Channel 34:61
• Head-Group 19:557
• Horseradish-Peroxidase 39:267
• Hydrogen-Potassium-Exchange 8:605
• Hydroxypyrimidine 16:371
• Immiscibility 26:63
• In-Situ 39:267
• Initial-Intermediate 10:357
• Interaction 3:528, 4:217, 4:231, 19:557
• Lipid 26:63
• Lipid-Bilayer 22:365
• Lipid-Layer 4:231
• Lipid-Monolayer 22:365
• Mechanism 16:407
• Mercury-Surface 28:71
• Methylated-Tetrahydropterin 10:357
• Monolayer 19:557
• Nonlinearity 34:61
• Oxidation 10:357
• Parent-Compound 16:371
• Permeability 19:557, 22:365, 23:271
• Phosphatidylcholine-Membrane 23:271
• Physical-Property 47:47
• Plasma-Membrane 10:75
• Potassium-Accumulation 8:605
• Preparation 4:231
• Prostaglandin-Stimulated-Change 23:271
• Protonation 16:371
• Quinonoid-Dihydropterin 10:357
• Radical-Anion 16:371
• Reduction-Potential 16:407, 36:171
• Scanning-Tunneling-Microscopy 39:267
• Solid-Supported-Lipid-Membrane 47:47
• Spread-Lipid-Monolayer 3:528, 4:217
• Theory 26:63
• Thiobarbiturate 36:171
• Transport-Property 9:591
• Tumor-Cell 10:75
Structure-Breaking-Ion 8:137
Structure-Promoting-Ion 8:137
Strychnine 48:223
Sub-Adult-Rat 8:661
Sub-Chloroplast 13:453
Subcompartment 46:79
Subcutaneous-Application 26:43
Submitochondrial-Particle
• Azide 17:383
• Beef-Heart 28:177
• Cytochrome 28:177
• Cytochrome-Oxidase 17:383
• Cytochrome-Reductase 28:177
• Interaction 28:177
• Interaction-Site 17:383
• Kinetic-Aspect 28:177
• Pigeon-Breast-Muscle 17:383
• Ubiquinol 28:177
Substituent 12:543
Substituent-Effect 3:480
Substitution 15:431
Substrate
• Automatic-Online-Measurement 17:399
• Catalyzed-Hydrolysis 24:231
• Enzyme 24:231
• Fermentation 17:399
• Liquid-Enzyme-Electrode 17:399
• Peptide 24:231
• Peptidyl-Nitroanilide 24:231
• Synthesis 24:231
Substrate-Concentration 9:307
Succinimide 8:287
Sucrose
• Cationic-Ionophore 17:223, 17:231
• Equilibrium 17:231
• Human-Erythrocyte 17:231
• Human-Erythrocyte-Suspension 17:223
• Ionic-Equilibria 17:223
• Isotonic-Unbuffered-Media 17:223, 17:231
• Lecithin 22:69
• Membrane-Potential 17:231
• Model 17:223
• Osmotic-Equilibria 17:223
• Polypyrrole–Lecithin-Bilayer-Membrane 22:69
• Potassium-Chloride 17:223, 17:231
• Sodium-Chloride 17:223, 17:231
• Suspension 17:231
• Triton 17:231
Sucrose/H^+-Glucose/H^+-Symport 26:223
Sugar |Utilizable-» 20:249
Sugar-Absorption 31:215
Sugar-Addition 9:325
Sugar-Beet-Cell 43:165
Sugar-Uptake |Multiple-» 48:135
Sulfate 44:127
Sulfhydryl-Reagent 17:261
Sulfolipid 31:179
Sulfonylurea-Derivative 38:63
Sulfur-Nitride-Electrode 5:215

Sulphur-Containing-Compound
• Aqueous-Solution 3:284
• Chemically-Modified-Gold-Electrode 29:177
• Cytochrome 29:177
• Horse-Heart 29:177
• Inorganic-Ion 3:284
• Microperoxidase 29:177
• Protein 3:284
• Ring-Disc-Electrode 3:284
• Thiol-Disulphide 3:284
• Thiol-Ester 3:284
Superconducting-Magnet 43:123
Superoxide 46:33
Superoxide-Anion
• Amperometry 29:143, 41:201
• Chattonella-Antiqua 29:143
• Electrochemical-Determination 26:413
• Femto-Ampere-Sensitivity 41:201
• Phytoplankton 29:143
• Single-Neutrophil 26:413
• Single-Phagocyte 41:201
Superoxide-Dismutase
• Aqueous-Solution 13:385
• Autoxidation 45:41
• Bioassay 44:31
• Bovine-Erythrocyte 27:229
• Catalytic-Mechanism 38:397
• Copper 36:165
• Copper-Complex 44:31
• Cyclic-Voltammetry 44:31
• Direct-Electron-Transfer 48:227
• Electron-Transfer 37:73
• Enzyme-Activity 45:41
• Escherichia-Coli 38:397
• Iron 36:165
• Iron-Containing 38:397
• Kinetics 36:165
• Mechanism 45:41
• Mediated 37:73
• Methyl-Viologen 37:73
• Mimetic-Activity 48:109
• Mimetic-Compound 44:31
• Polarography 13:385, 36:165, 38:397
• Polyethylene-Oxide-Modified 37:73
• Pyrogallol 45:41
• Redox-Property 48:109
• Short-Controlled-Drop-Time 13:385
• Superoxide-Ion-Dismutation 13:385
• Superoxide-Radical 38:419
• Teflon-Membrane 38:419
• Thiohydrazone-Copper(II)-Complex 48:109
• Voltammetry 27:229
• Zinc 36:165
Superoxide-Dismutase |Bovine-Copper-Zinc-» 27:393
Superoxide-Dismutase |Bovine-» 39:291
Superoxide-Ion
• Analog 41:205
• Anhydrous-Acetonitrile 17:339
• Aqueous-Media 19:161
• Chemiluminescence 41:205
• Cypridina 41:205
• Electrogeneration 17:339, 41:205
• Interaction 17:339
• Luciferin 41:205
• Nesosteine 17:339
• Stabilization 19:161
• Trans-Sobrerol 17:339
• Tryptophan 19:161
• Wet-Acetonitrile 17:339
Superoxide-Ion-Dismutation 13:385
Superoxide-Radical 38:419
Surface
• Aminobutyric-Acid 28:367
• Antitumor-Drug 45:33
• Calculation 8:327, 8:339
• Cell-Electrophoresis 7:41
• Characteristics 42:63
• Charge-Transport-Process 40:197
• Comparative-Study 28:367
• Daunomycin 45:33
• DNA 45:33
• Donnan-Potential 8:327, 8:339
• Electrochemical-Electron-Transfer 40:197
• Electrochemical-Oxidation 28:367
• Electrolyte 8:327, 8:339
• Electrostatic-Property 7:41
• Glucose-Oxidase 42:63
• Human-Erythrocyte 7:41
• Interaction 45:33
• Ion-Channel-Function 40:197
• Ion-Movement 8:327, 8:339
• Light-Induced-Donnan-Potential 8:327
• Light-Induced-Surface-Potential 8:339
• Neuraminidase-Treatment 7:41
• Platinum 28:367
• Semiconductor 40:197
• Solution 45:33
• Structural-Property 7:41
• Thylakoid-Membrane 8:327, 8:339
Surface-Active
• Adsorbed-Layer 12:353
• Biogenic-Substance 12:353
• Cadmium 12:353
• Chemical-Promotion 34:115
• Design 34:115
• Electrofusion 34:115
• Interaction 12:353
• Mercury-Electrode 12:353
• Plant-Protoplast 34:115
• Synthesis 34:115
Surface-Active-Substance
• Bimolecular-Lipid-Membrane 34:19
• Capacity-Minimization 34:19
• Interaction 34:19
• Purple-Membrane-Fragment 27:63
• Surface-Charge-Density 27:63
Surface-Activity 26:359
Surface-Aggregate 13:255
Surface-Charge
• Bilayer-Lipid-Membrane 7:413
• Electrostatic-Problem 13:55
• Interfacial-Ion-Transport 4:209
• Ion-Translocation-Effect 3:230
• Kinetics 3:230
• Lanthanum 3:230
• Light-Scattering-Change 32:77
• Membrane-Permeability-Change 9:615
• Metallic-Electrode-Coating 13:55
• Nerve-Membrane 3:222
• Plane-Permselective-Membrane 13:55
• Polyamine 32:77
• Rubidium-Uptake 3:230
• Solution 13:55
• Surface-Compartment-Model 9:615
• Thylakoid-Membrane 32:77
• Two-Site-Mediated 3:230
• Yeast-Cell 3:230
Surface-Charge |Outer-» 32:305
Surface-Charge-Density
• Adsorption 17:277
• Aminoacridine 17:277
• Light-Scattering 48:237
• Lipidic-Site 17:277
• Liposome 17:277
• Plectonema-Boryanum 48:237
• Purple-Membrane-Fragment 27:63
• Spheroplast 48:237
• Surface-Active-Substance 27:63
Surface-Charge-Layer 15:173
Surface-Chemistry 26:123
Surface-Coat 6:543
Surface-Compartment-Model
• Capacitance 13:317
• Excitable-Membrane 5:535, 11:477
• Ion-Channel 13:93
• Membrane-Permeability-Change 9:615
• Natural-Membrane 13:317
• Steady-State 5:535
• Surface-Charge 9:615
• Transient 9:427
• Voltage-Clamp 9:439
• Voltage-Sensitive-Channel 10:451
Surface-Diffusion-Potential-Equation 13:439
Surface-Donnan-Potential 8:347
Surface-Electric-Property-Change 38:111
Surface-Electrochemistry 25:269
Surface-Electromagnetic-Wave 47:283
Surface-Energy-Controlled-Substrata 16:27
Surface-Force 38:191
Surface-Fouling 29:215
Surface-Geometry 8:247
Surface-Interaction 5:215
Surface-Modification 5:215
Surface-Orientation 25:137
Surface-Phenomena 48:163
Surface-Plasmon-Resonance 38:137
Surface-Potential
• Acidic-Phospholipid 5:357, 5:369
• ADP 24:215
• Affinity 24:215
• Axon-Membrane 5:204
• Bilayer-History 37:61
• Bilayer-Lipid-Membrane 46:01
• Capacitance 46:01
• Charged-Substrate 24:215
• Chloroplast 24:215
• Electric-Property 37:61
• Electrostriction 46:01
• Ionic-Composition 24:215
• Ionic-Conductance 5:204
• Lipid/Protein-Ratio 5:369
• Mechanical-Property 37:61
• Membrane-Bound-ATPase 24:215
• Mixed-Film 5:357, 5:369
• Monolayer 5:369
• Myelin 5:357, 5:369
• Potential-Dependence 37:61
• Protein 5:357, 5:369
• Relaxation 46:01
• Solvent-Redistribution 37:61
• Structural 5:357, 5:369
• Supported-Lipid-Bilayer 37:61
• Tetracaine 46:01
• Theory 5:357
Surface-Potential |Light-Induced-» 8:339
Surface-Pressure 9:711
Surfactant
• Biocide 6:197
• Brain-Tissue 41:101
• Cysteine 4:413
• Differential-Pulse-Polarography 15:89
• Formaldehyde 15:89
• Lung 15:89, 20:287
• Membrane-System 6:197
• Modified-Carbon-Paste-Electrode 41:101
• Origin 41:101
• Performance 41:101
• Plant-System 6:197
• Polarographic-Brdicka-Activity 4:413
• Stearic-Acid 41:101
Survival 47:97
Susceptibility
• Antibiotics 21:161, 30:173
• Comparison 21:161
• Direct-Electric-Current 30:173
• Gram-Positive 21:161
• In-Vitro 21:161
• Lipoic-Acid 21:161
• Macrolide 21:161
• Microbe-Growth 30:173
• Organism 21:161
• Potentiometry 21:161
Suspension
• Cationic-Ionophore 17:231
• Cell-Culture 19:59
• Cell-Growth 19:59
• Electrofusion 19:59
• Equilibrium 17:231
• Human-Erythrocyte 17:231
• Isotonic-Unbuffered-Media 17:231
• Large-Volume 19:59
• Membrane-Potential 17:231
• Potassium-Chloride 17:231
• Sodium-Chloride 17:231
• Sucrose 17:231
• Triton 17:231
SV40-3T3-Cell 43:51
SV40-Transformed 18:271
Symmetrical-Electrode 2:314
Synchronization 14:215
Synechococcus-Plasmalemma-Vesicle
• Cell-Growth 38:169

- Electrophoretic-Mobility 38:169, 46:55
- Nitrogen-Source 38:169, 46:55
- Salt-Effect 38:169
- Variation 46:55

Synechocystis 43:177

Synergistic-Effect
- Barley-Protoplast 34:109
- Calcium-Ion 27:49
- Electrofusion 34:109
- Gamma-Radiation 12:555
- Infected 12:555
- Mouse 12:555
- Phorbol-Ester 27:49
- Polymer-Supported 34:109
- Pulsed-Magnetic-Field 12:555
- Sendai-Virus 12:555

Synthesis
- ATP 9:157
- Catalyzed-Hydrolysis 24:231
- Chemical-Promotion 34:115
- Darkness 9:157
- Design 34:115
- Electrofusion 34:115
- Electromagnetic-Field 31:27
- Enzyme 24:231
- Heat-Shock 31:27
- Peptide 24:231
- Peptidyl-Nitroanilide 24:231
- Plant-Protoplast 34:115
- Protein 31:27
- Redox-Potential-Dependent 9:157
- Sciara-Salivary-Gland-Cell 31:27
- Similarity 31:27
- Spinach-Chloroplast 9:157
- Substrate 24:231
- Surface-Active 34:115

Synthetic-Analogue 48:129

Synthetic-Application 26:441

Synthetic-Membrane 9:391

Synthetic-Model 8:07

Systemic-Lupus-Erythematosus 30:327

Systemic-Reaction 34:05

T-Cell-Activation 46:129

T-Shanghaiensis 44:89

Tantalum-Electrode 8:633

Target-System 48:35

Targeting 25:295

Technical-Aspect 48:305

Technical-Variable 44:111

Teflon-Membrane 38:419

TEM-Cell 30:73

Temperature
- Cell-Membrane-Potential 17:419
- Configuration 30:209
- Direct-Electric-Current 30:209
- Electrode-Material 30:209
- Isolated-Proximal-Tubule 17:419
- Mouse 17:419
- Perfused 17:419
- Peritubular 17:419
- pH 30:209
- Potassium-Conductance 17:419
- Treatment 30:209
- Tumor 30:209

Temperature-Dependence
- 600-780-nm-Region 8:309
- Adsorption 2:79
- Bacillus-Cereus 7:659
- Bilayer 9:711
- Bulk-Solvent-Structure 5:196
- Cytochrome 5:196, 8:309, 13:373
- Dipalmitoyl-Phosphatidylcholine 9:711
- DNA 2:79
- EIS-Study 47:343
- Electric-Field-Effect 28:291
- Gold-Electrode 13:373
- Gramicidin-Channel 47:343
- Horse-Heart 13:373
- Human-Erythrocyte 27:429
- Ionic-Transport 47:343
- Liposome 47:343
- Membrane-Potential 9:711
- Mercury/Electrolyte-Interface 2:79
- Monolayer 9:711
- Na-K-ATPase 28:291
- Penicillinase-Production 7:659
- pH 13:373
- Pyridyl-Disulfide-Modified 13:373
- Reaction 2:79
- Redox-Potential 13:373
- Reduction-Potential 5:196
- Shape-Transformation 27:429
- Spectral-Band 8:309
- Surface-Pressure 9:711
- Transmembrane-Potential-Dependence 27:429

Temperature-Dependent 44:83

Temperature-Effect
- Charge–Discharge-Transition 38:367
- Counterion-Binding 38:367
- Electrophysiology 15:383
- Ion-Transport 15:383
- Isolated-Human-Amnion 15:383
- Lignosulfonate 38:367
- Spherical-Polyelectrolyte 38:367

Temperature-Inactivation 13:117

Temporal-Aspect 47:265

Temporal-Behavior 2:293

Tenoxicam 24:155

Tensor 30:65

Teorell-Membrane-System 43:143

Teratology 14:63

Ternary-Complex
- Amino-Acid 11:129
- Complex-Formation 9:627, 9:639
- Copper 11:129
- Copper-Phenanthroline-Complex 9:627, 9:639
- Electrode-Behavior 9:627, 9:639
- Ligand 9:627, 9:639
- Nitrogen-Donor-Atom 9:627, 9:639
- Oxygen-Donor-Atom 9:627, 9:639
- Pi-Acid 9:627, 9:639
- Polarography 11:129
- Secondary-Ligand 9:627, 9:639
- Solution 9:627, 9:639

Tertiary-Amine 39:295

Tetracaine 46:01

Tetracyanoquinodimethane
- Complex 23:203
- Flavinmononucleotide 23:203
- Glucose-Oxidase-Electrode 23:203
- Modified-Electrode 33:71
- NADH 33:71
- Oxidation 33:71
- Sensitivity 23:203
- Tetrathiafulvalene 23:203

Tetracycline 15:147

Tetrahydrofolic-Acid 6:441

Tetrahydropterin 18:79

Tetramethylammonium-Cation
- Detergent 12:367
- Electrophoretic-Adsorption 5:247
- Human-Erythrocyte 5:247
- Human-Erythrocyte-Membrane 12:367
- In-Vitro 5:247
- Ionophore 12:367
- Transport-Kinetics 12:367
- Triton 12:367

Tetraphenyl-Phosphonium 6:477

Tetraphenyl-Phosphonium-Sensitive 9:325

Tetrapyrrolic-Pigment 9:103

Tetrathiafulvalene 23:203

Thallium-Ion 20:99

Thallium-Layer 17:59

Theoretical-Pattern 15:485

Theoretical-Resolution-Limit 7:757

Theoretical-Simulation 32:221

Theory
- Acidic-Phospholipid 5:357
- Action-Potential 1:217
- Activation-Energy 23:249
- Aggregated-Particle 31:115
- Anion-Exchange 23:337
- Applied-Electric-Field 43:285
- Arbitrary-Number 31:131
- Artificial-Planar-Bilayer-Membrane 25:163
- Asymmetric-Distribution 32:249
- Bacterial-Movement 2:52
- Benzenesulfonamide-Derivative 12:543
- Benzoic-Acid-Derivative 12:543
- Bilayer-Membrane 15:243
- Bioelectrochemistry 13:183
- Brdicka-Current 9:253
- Cancer 29:255
- Cell–Cell-Interaction 48:423
- Cell-Cycle 45:139
- Cell-Electroporation 32:249
- Cell-Surface 7:31
- Charged-Membrane/Water-Interface 26:63
- Cobalt-Ion-Concentration 9:253
- Coil-Optimization 47:213
- Comparison 23:337
- Controlled-Potential 14:275
- Deformation 34:101
- Dielectric-Behavior 23:337
- Dielectrophoresis 22:289
- Dumbbell-Shaped-Particle 26:383
- Electric-Breakdown 15:243, 25:163
- Electric-Field 34:101
- Electro-Phytogram 8:645
- Electrolysis 14:275
- Electromagnetic-Field 16:561, 29:255
- Electrophoresis 7:31
- Electroporation 25:163, 41:135
- Electrorotation 23:337, 26:383, 31:115, 31:131
- Ellipsoidal-Cell 31:131
- Evolution 32:249
- Excitable-Membrane 9:603
- Experiment 7:31, 16:561, 22:289, 26:383, 45:139
- FAD 7:749
- Fixed-Charge 1:217
- Frequency 9:603
- Functional-Magnetic-Stimulation 47:213
- Glycolipid-Containing-Bilayer 26:63
- Human-Erythrocyte 23:337
- Human-Lymphocyte 16:561
- Immiscibility 26:63
- Impedance-Spectroscopy 45:139
- Interaction 16:561
- Interfacial-Behavior 12:543
- Intracellular-Calcium 46:161
- Intramolecular-Electron-Transfer 5:601, 7:749
- Ion-Transport 1:378
- Ionic-Phenomena 1:217
- Iso-Electrofusion 48:423
- Lipid 26:63
- Lipid-Vesicle 34:101
- Liquid-Membrane-System 19:301
- Low-Frequency-Field 46:161
- Magnitude 46:161
- Mechanical-Rupture 25:163
- Mechanism 22:289
- Membrane 1:378
- Membrane-Coated-Electrode 14:275
- Membrane-Potential 19:301
- Mercury/Solution-Interface 12:543
- Mixed-Film 5:357
- Molecular-Framework 12:543
- Monitoring 45:139
- Myelin 5:357
- NAD 5:601
- Nervous-Excitability 3:209
- Neuroendocrine-Related-Promotion 29:255
- NMR 7:749
- Nonspherical-Cell 31:131
- Oscillation 46:161
- Oscillator 46:161
- Oxygen-Evolution 23:249
- Peak 19:301
- Periodic-Forcing 46:161
- pH-Jump 19:301
- Photosynthesis 13:183, 23:249
- Physiological-Basis 8:645
- Pore 32:249
- Potential 19:301
- Protein 5:357, 23:337
- Quantitative 15:243, 25:163
- Relaxation 19:301
- Reversible 15:243, 25:163
- Self-Electrophoretic-Mechanism 2:52
- Sensitivity 43:285
- Shell 31:131
- Single-Pulse-Induced-Modulation 48:423
- Sodium-Current 9:603
- Soluble-Enzyme 20:215
- Spectroscopy 5:601, 7:749
- Structural 5:357

- Structure 26:63
- Substituent 12:543
- Surface-Potential 5:357
- Time-Course 45:03
- Time-Varying-Electric-Field 45:03
- Transmembrane-Voltage 43:285, 45:03
- Transport-System 20:215
- Unified 25:163
- Voltage-Waveform 9:603

Therapeutic 30:161
Thermal-Motion 13:459
Thermal-Noise 35:71
Thermal-Noise-Limit 35:63
Thermal-Stimulation 21:307
Thermal-Stress 33:109
Thermally-Treated 34:129
Thermochemiluminescence-Technique 47:253
Thermodynamic-Constraint 3:01
Thermodynamic-Implication 5:37
Thermodynamic-Parameter 6:405
Thermodynamics
- Cadmium-Uptake 48:61
- Chlorella-Marina 48:61
- Hydrogen-Peroxide 18:03
- Oxyradical 18:03
- Quantum-Chemistry 27:161
- Radical-Formation 27:161
- Reaction 18:03
- Reductive-Activation 27:161
- Substituted-Benzoquinone 27:161

Thermotherapy 48:305
Thiamine 13:25
Thiamine-Diphosphate 13:25
Thin-Film
- Adipose-Tissue 33:61
- Alpha-Tocopherol 33:61
- Chlorophyll 22:75
- Deuterium–Proton-Exchange 45:203
- Electrochemical-Oxidation 22:75
- Interbilayer-Interaction 45:203
- Model 33:61
- Nujol 33:61
- Phosphatidyl-Serine 45:203
- Platinum-Electrode 22:75
- Tin-Dioxide-Electrode 22:75

Thin-Film-Electrode 26:211
Thin-Layer 8:63
Thin-Layer-Electrode-Technique 6:577
Thio-Group 38:359
Thiobacillus-Ferrooxidans
- Chemiosmotic-Proton-Circuit 43:115
- Electrochemical-Cultivation 43:61
- Iron-Oxidizing-Bacterium 43:115
- Kinetics 43:115
- Potential-Control 43:61

Thiobarbiturate 36:171
Thiobarbituric-Acid 26:359
Thiohydrazone-Copper(II)-Complex 48:109
Thiol
- Escherichia-Coli 32:267
- Ferricyanide 32:267
- Folate 41:209
- Interfacial-Interaction 41:209
- Low-Molecular-Weight 32:267
- Reduction 32:267
- Voltammetric-Evidence 41:209

Thiol-Compound 27:53
Thiol-Disulphide 3:284
Thiol-Ester 3:284
Thiol-Form 44:51
Thiol-Lipid-Bilayer |Unmodified-Supported-» 48:469
Thionine 11:289
Thiophene 34:153
Thiopyrimidine-Derivative
- Correlation 6:263
- Electronic-Structure-Index 6:263
- Electroreduction 6:243, 6:263
- Mechanism 6:243, 6:263
- Polarography 6:243

Thiotepa 44:51
Thiouracil
- Chemical-Oxidation 11:03
- Chemical-Transformation 10:199
- Disulfide 10:199
- Electrochemical-Oxidation 10:199, 11:03
- Enzymatic-Oxidation 11:03
- Thiouracil-Disulfide 10:199

Thiouracil-Derivative 10:169
Thiouracil-Disulfide 10:199
Thiouric-Acid 24:355
Third-Generation-Biosensor
- Glucose-Oxidase 29:47
- Kinetics 33:45
- Performance 33:45
- Polypyrrole-Film 29:47
- Scanning-Tunneling-Microscopy 29:47

Thorium(IV) 12:475
Three-Dimensional 29:223
Three-Dimensions 42:221
Threshold 40:63
Thrombosis 4:137
Thylakoid
- Biomembrane 13:143
- Efficiency 16:549
- Electrochemical-Cell 22:145
- Energy-Dependent 13:143
- Induction 22:145
- Inside-Out-Vesicle 16:549
- Kinetics 22:145
- Microchemiosmotic-Interpretation 13:143
- Oxygen-Evolving-Reaction 16:549
- pH 16:549
- Photocurrent 22:145
- Photosynthesis 13:143

Thylakoid |Closed-» 48:141
Thylakoid-Behavior 2:177
Thylakoid-Lamellae 43:41
Thylakoid-Membrane
- Atrazin 31:179
- Calculation 8:327, 8:339
- Donnan-Potential 8:327, 8:339
- Electric-Breakdown 13:191
- Electrolyte 8:327, 8:339, 8:347
- Electrophotoluminescence 13:191
- Experiment 8:347
- Interaction 31:179
- Ion-Movement 8:327, 8:339
- Kinetics 3:393
- Light-Induced-Donnan-Potential 8:327
- Light-Induced-Surface-Potential 8:339
- Light-Scattering-Change 32:77
- Photoelectrochemistry 42:255
- Polyamine 32:77
- Proton-Translocation 3:393
- Reversible 13:191
- Sulfolipid 31:179
- Surface 8:327, 8:339
- Surface-Charge 32:77
- Surface-Donnan-Potential 8:347
- Swollen-Vesicle 13:191

Thylakoid-Membrane |Pea-»
- Energy-Distribution 37:69
- Monofunctional-Sulfhydryl-Reagent 26:79
- Photosystem-I 37:69
- Photosystem-II 37:69
- Proton-Permeability 26:79
- Trypsin-Induced-Change 37:69

Thylakoid-Membrane |Spinach-» 15:497
Thylakoid-System 46:71
Thymidine
- Adsorption 24:165
- Association 24:165
- Charged-Interface 24:165
- Comparative-Study 24:165
- Electrocapillary-Measurement 25:137
- Electrode-Surface 25:137
- Mercury-Electrode 25:137
- Surface-Orientation 25:137
- Thymine 24:165, 25:137
- Uracil 25:137
- Uridine 25:137

Thymidine-Hydroperoxide 18:155
Thymine
- Adenine 48:69
- Adsorption 24:165
- Association 24:165
- Charged-Interface 24:165
- Classification 48:69
- Comparative-Study 24:165
- Cytosine 48:69
- Electrocapillary-Measurement 25:137
- Electrode-Surface 25:137
- Electron-Affinity 48:69
- Guanine 48:69
- Half-Wave 48:69
- Mercury-Electrode 25:137
- Organic-Molecule 48:69
- Reduction-Potential 48:69
- Surface-Orientation 25:137
- Thymidine 24:165, 25:137
- Uracil 25:137, 48:69
- Uridine 25:137

Time-Course
- Erythrocyte-Membrane 40:171
- Interaction 40:171
- Low-Level-2.45-GHz-Radiation 40:171
- Theory 45:03
- Time-Varying-Electric-Field 45:03
- Transmembrane-Voltage 45:03

Time-Dependent 38:343
Time-Resolved-Fluorescence-Method 48:415
Time-Signal 12:81
Tin-Dioxide-Electrode
- Artificial 38:333
- Chlorophyll 22:75, 38:333
- Electrochemical-Oxidation 22:75
- Light-Energy-Conversion 38:333
- Monolayer 38:333
- Optically-Transparent 38:333
- Pheophytin 38:333
- Photosynthesis 38:333
- Platinum-Electrode 22:75
- Thin-Film 22:75

Tissue
- Blood 7:685
- Cell 30:161, 48:35
- Electromagnetic-Field 30:161
- Endotoxin 18:301
- Environmental 30:161
- Exogenous-Field 48:35
- Initial-State 48:35
- Multistep-Therapy 7:685
- Oxidation 18:301
- Oxygen-Binding-Capacity 7:685
- Oxygen-Transport 7:685
- Permanent-Multiplication 7:685
- Sensitivity 30:161, 48:35
- Target-System 48:35
- Therapeutic 30:161

Tissue-Culture-Cell 9:207
Tissue-Dielectrics 35:63
Tissue-Growth 1:227
Tissue-Repair 1:227
Titanium-Dioxide
- ATR-IR-Spectroscopy 47:39
- Colloidal 16:125
- Cytochrome 16:125
- FAD 47:39
- FMN 47:39
- Immobilized 47:39
- Light-Induced-Reduction 16:125
- Supported-Carbon-Fibre 47:39
- Titanium-Dioxide-Modified 47:39

Titanium-Dioxide-Film |Textured-» 26:307
Titanium-Dioxide-Modified 47:39
Titration-Curve |Experimental-» 29:135
Titration-Curve |Simulated-» 29:135
Tobacco 45:83
Tobacco-Mosaic-Virus 4:399
Tobacco-Shoot 44:257
Topical-Delivery 48:453
Topology 41:31
Torpedo-Californica 21:71
Torpedo-Electroplax 12:341
Torso |Realistically-Shaped-» 47:231
Total-Parenteral-Nutrition 8:49
Toxicity
- Aldehyde 18:187
- ATP-Synthesis 22:323
- Cellular-Membrane 18:187
- Lipid-Peroxidation 18:187
- OH-Radical 22:323
- Oxygen-Radical 22:323
- Phenazine-Mediated 22:323
- Reaction 18:187
- Spinach-Chloroplast 22:323

Toxicology 14:63

Trace-Amount 23:301
Trace-Measurement
• Adsorptive-Stripping-Potentiometry 40:41
• Adsorptive-Stripping-Voltammetry 15:147, 19:39
• Carbon-Paste-Electrode 40:41
• Chymotrypsin 19:39
• Disulfide 19:39
• Plasmid-DNA 40:41
• Protein 19:39
• Tetracycline 15:147
• Trypsin 19:39
Trace-Metal-Requirement 8:49
Tracer-Determined 19:127
Tracer-Kinetics 40:09
Tracheal-System 33:165
Tradescantia-Virginiana 33:67
Tradescantia-Virginiana-Leaf 32:133
Trans-Sobrerol 17:339
Transcript
• Adaptation 29:185
• Cell 33:115
• Electric-Field 29:185
• HL-60-Cell 29:185
• Increase 29:185
• Increased-Level 33:115
• Low-Frequency-Electromagnetic-Field 33:115
• Magnetic-Field 29:185
Transcription
• Cell 25:335
• Cell-Free 43:07
• Escherichia-Coli 43:07
• Extremely-Low-Frequency-Electromagnetic-Field 25:335
• HeLa-Extract 43:07
• Magnetic-Field 43:07
• Translation 25:335
Transcription-Activity 48:383
Transcription-Change
• Alternating-Current-Electric-Field 28:301
• Chromosome 28:311, 31:39
• Drosophila-Melanogaster 28:311, 31:39
• HL-60-Cell 28:301
• Low-Frequency-Electromagnetic-Field 28:311, 31:39
• Salivary-Gland-Cell 28:311, 31:39
Transdermal-Delivery
• Drug-Delivery 42:283
• Electro-Incorporation 38:209
• Electroincorporation 42:283
• Electroporation 38:223, 42:283
• Gene-Delivery 42:283
• In-Vivo 42:283
• Large-Molecule 38:209, 42:283
• Metoprolol 38:223
• Microcarrier-Method 38:209
• Pressure-Mediated 42:283
Transduction
• Biological-Effect 12:259
• Electromagnetic-Signal 12:259
• Energetics 12:259
• Kinetics 12:259
• Modulated-Electrochemical-Work 20:195
• Redox-Gibbs-Free-Energy 20:195
Transductive-Coupling 15:447
Transfer
• Charge-Pulse 11:37
• Competition 11:37
• Foreign-Receptor 46:115
• Hydrophobic-Anion 11:37
• Inorganic-Ion 11:37
• Lipid-Bilayer-Membrane 11:37
• Living-Cell-Surface 46:115
• Small-Applied-Voltage 11:37
Transference 7:787
Transference-Number
• Calcium-Ion 12:517
• Cell-Suspension 6:03, 6:11
• Colloid-Disperse-System 6:03, 6:11
• Electrolyte 6:03, 6:11
• Ionic-Selectivity 12:517
• Mean-Activity-Coefficient 6:03, 6:11
• Measurement 6:03, 6:11
• Measuring-Principle 6:03
• pH 6:03, 6:11
• Potassium-Ion 12:517
• Proteic-Phase 12:517
• Sodium-Chloride–Human-Serum-Albumin-Solution 6:11
• Sodium-Ion 12:517
Transformation 12:119
Transformed
• Human-Fibroblast 27:19
• Neoplastic-Tissue 27:23
• Normal 27:19
• Normal-Tissue 27:23
• Photodynamic-Laser-Therapy 27:19
• Resting-Potential 27:23
• Transmembrane-Potential-Difference 27:23
• Transmembrane-Potential-Measurement 27:19
Transformed-Cell 28:269
Transient
• Photocurrent 20:269
• Semiconductor-Protein-Interface 20:269
• Surface-Compartment-Model 9:427
Transient-Aqueous-Pore
• Bilayer-Membrane 12:393, 12:405, 15:211, 15:229
• Conduction 15:229
• Diffusive-Permeability 12:405
• Electric-Breakdown 15:229
• Electric-Capacitance 12:393
• Onset-Criteria 15:229
• Reversible 15:229
• Statistical-Theory 15:211
Transient-Peak 17:193
Transient-Response 25:383
Transition
• Correlation 5:152
• Electropotential 5:152
• Lycopersicon-Esculentum 5:152
• Polarography 13:225
• Poly(DG-DC).Poly(DG-DC) 13:225
• Stem-Diameter-Change 5:152
Transition-Metal 3:253
Transition-Metal-Ion
• Adenylyl-Guanosine 25:145
• Base 19:425
• Complexation 19:425
• Component 19:425
• Differential-Pulse-Polarography 25:145
• Nucleic-Acid 19:425
• Phosphate 19:425
Translation 25:335
Translational-Diffusion 15:183
Translocated 26:403
Translocation
• Bio-Membrane 17:519
• Defect-Proton 9:61
• Electrochemically-Active-Substance 17:519
• Excess-Proton 9:61
• In-Vivo 17:519
• Measurement 17:519
• Proton-Pump 9:61
Transmembrane-Ion-Flux 18:307
Transmembrane-Ion-Transfer-System 35:39
Transmembrane-Ionic-Flux 30:93
Transmembrane-Potential
• Beta-Adrenergic-Blocker 16:13
• Bilayer-Lipid-Membrane 16:13
• Buffering 46:79
• Buildup 45:181
• Calcium-Channel 16:13
• Calcium-Ion 46:79
• Cell-Cultivation 47:301
• Cytoplasm 40:67
• Differentiation 47:301
• Electric-Pulse 27:33
• Electrogenic-Proton-Transport 45:181
• Electromechanical-Coupling 30:103
• Endoplasmic-Reticulum 46:79
• Heating 47:301
• Human-Erythrocyte 30:103
• Human-Fibroblast 40:67
• Interrelation 45:181
• Mechanism 30:103
• Membrane 30:103, 45:181
• Microelectrode 40:67
• Modeling 45:181, 46:79
• Nucleus 40:67
• Oscillation 46:79
• pH-Difference 45:181
• Protein-Size 46:79
• Proton-Motive-Force 45:181
• Sequestering 46:79
• Shape-Transformation 30:103
• Signaling 46:79
• Strong-Alternating-Current-Electric-Field 47:301
• Subcompartment 46:79
• Yeast 27:33
Transmembrane-Potential-Dependence 27:429
Transmembrane-Potential-Difference 27:23
Transmembrane-Potential-Measurement 27:19
Transmembrane-Proton-Flux 7:539
Transmembrane-Proton-Gradient 33:31
Transmembrane-Resting-Potential 39:109
Transmembrane-Voltage
• Applied-Electric-Field 43:285
• Sensitivity 43:285
• Theory 43:285, 45:03
• Time-Course 45:03
• Time-Varying-Electric-Field 45:03
Transport
• Amphiphilic-Drug 23:17
• Bilayer-Lipid-Membrane 13:85
• Biocide 5:52
• Charged-Microbead 48:181
• Human-Stratum-Corneum 48:181
• In-Vitro 48:181
• Leaf-Membrane 5:52
• Neutral-Form 23:17
• pH-Gradient 13:85, 23:17
• Planar-Bilayer-Lipid-Membrane 23:17
• Plant-System 5:52
• Short-High-Voltage-Pulse 48:181
• Unstirred-Layer 13:85
• Weak-Acid 13:85
• Weak-Base 13:85
Transport-Change 39:01
Transport-Characteristics 7:345
Transport-Kinetics 12:367
Transport-Mechanism 40:261
Transport-Phenomena 1:275
Transport-Property 9:591
Transport-Rate 14:439
Transport-System
• Energy-Dependent 11:29
• Escherichia-Coli 11:29
• Hydrogen-Potassium-Exchange 11:29
• Potassium-Accumulation 11:29
• Soluble-Enzyme 20:215
• Theory 20:215
• Unc-Mutant 11:29
Transversal-Diffusion-Coefficient 25:105
Transversal-Perturbation 11:145
Treatment
• Acute-Traumatic-Sport-Lesion 14:179
• ADP-Level-Change 46:255
• ATP-Level-Change 46:255
• Bipolar-Electric-Pulse 46:285
• Bone-Non-Union 14:155
• Chemotherapy 36:83
• Chronic-Benign-Pain 14:241
• Chronic-Low-Back-Pain 14:187
• Combination 36:83
• Configuration 30:209
• Congenital-Acquired-Pseudoarthrosis 14:145
• Congenital-Pseudoarthrosis 14:151
• Delayed-Consolidation 14:155
• Deposition 35:93
• Direct-Electric-Current 30:209, 35:93, 43:253
• Double-Blind-Study 14:187
• Efficiency 46:285
• Electrode-Material 30:209, 35:93
• Electromagnetic-Field 30:229
• Electropermeabilization 36:83
• Endomedullary-Nail-Fixation 14:151
• Endoprosthesis 14:161
• Experiment 14:225
• HL-60-Cell 46:255
• Increase 46:285

- Injury 16:531
- Loosening 14:161
- Low-Frequency-Electric-Field 46:255
- Low-Frequency-Low-Intensity-Magnetic-Field 14:187
- Low-Frequency-Pulsating-Magnetic-Field 14:169, 14:241
- Low-Frequency-Pulsing-Electromagnetic-Field 14:145, 14:151, 14:155, 14:179
- Low-Level-Pulsed-Radiofrequency-Field 16:531
- Mouse-Melanoma 36:83
- Multicenter-Clinical-Trial 14:145
- Muscle-Tear 14:179
- Nonthermal-Extremely-Low-Frequency-Electromagnetic-Field 27:321
- Osteonecrosis 30:229
- Osteoporosis 14:169
- Pathological-Bone-Lesion 27:321
- pH 30:209
- Plating 46:285
- Psoriasis 14:225
- Pulsating-Magnetic-Field 14:225
- Pulsing-Electromagnetic-Field 14:161
- Reactive-Oxygen-Species 46:255
- Saccharomyces-Cerevisiae 46:285
- Senile-Degenerative-Arthritis 14:187
- Soft-Tissue 16:531
- Stimulation 14:151
- Temperature 30:209
- Tumor 30:209, 35:93
- Tumor-Perfusion-Change 43:253
- Zymosan-Activated 46:255

Trehalose 39:299
Triaxial-Exposure-System 35:121
Triazolobenzodiazepine 19:533
Trichoderma-Reesei 22:57
Tricyclic-Antidepressant 23:217
Trideoxyribonucleotide 21:199
Trimethylenebiscytosine 8:07
Triton
- Cationic-Ionophore 17:231
- Detergent 12:367
- Equilibrium 17:231
- Human-Erythrocyte 17:231
- Human-Erythrocyte-Membrane 12:367
- Ionophore 12:367
- Isotonic-Unbuffered-Media 17:231
- Membrane-Potential 17:231
- Potassium-Chloride 17:231
- Sodium-Chloride 17:231
- Sucrose 17:231
- Suspension 17:231
- Tetramethylammonium-Cation 12:367
- Transport-Kinetics 12:367

Triton-X-100 15:07
Trk-Mutant 39:161
Trk-Protein 27:367
Trk-System 15:417
tRNA#F# 3:561
Trypanosoma-Cruzi 43:151
Trypsin 19:39
Trypsin-Induced-Change 37:69
Trypsin-Inhibitor 43:181
Trypsin-Treated 27:27
Tryptophan
- Aqueous-Media 19:161
- Circular-Dichroic-Spectroelectrochemistry 31:301
- Electrochemical-Oxidation 15:257
- In-Situ 31:301
- Peroxidase-Catalyzed 15:257
- Stabilization 19:161
- Superoxide-Ion 19:161

Tryptophan-Dioxygenase 1:67
TTFB 2:01
Tumor
- Configuration 30:209
- Deposition 35:93
- Development 47:11
- Direct-Electric-Current 30:209, 35:93
- Dosage-Method 47:11
- Electrochemical-Treatment 47:11
- Electrode-Material 30:209, 35:93
- pH 30:209
- Simplified-Mathematical-Model 47:11
- Temperature 30:209
- Treatment 30:209, 35:93

Tumor-Cell
- 50-Hz-Electric-Field 39:119
- 50-Hz-Magnetic-Field 39:119
- Ascite 10:75
- Bone-Marrow 39:119
- Bromosulfophthalein 10:75
- Cadmium 39:119
- Function 10:75
- In-Vitro 30:151
- Plasma-Membrane 10:75
- Proliferation 30:151
- Strong-Pulsed-Magnetic-Field 30:151
- Structure 10:75

Tumor-Model 35:23
Tumor-Necrosis-Factor-Alpha 44:121
Tumor-Perfusion-Change 43:253
Tuning
- Fluidity 42:59
- Immobilized-Glucose-Oxidase 42:59
- Lipid-Bilayer 42:59
- Lipid-Bilayer-Film-Electrode 42:59
- Mediated-Electron-Transfer-Reaction 42:59
- Metalloporphyrin 8:213
- Redox-Potential 8:213
- Regulation 42:59

Tunneling-Electron 27:235
Turner's-Syndrome 43:221
Tween-20 38:111
Two-Compartment-Cell 19:491
Two-Immiscible-Liquid 4:68
Two-Phase-System
|Artificial-» 13:171
Two-Site-Mediated 3:230
Tyrosinase-Based 31:147
Ubiquinol 28:177
Ubiquinone
- Adsorbed 23:81
- Aqueous-Solution 9:167
- Biological-Process 23:81
- Electron-Transport 23:81
- Pyrolytic-Graphite-Electrode 23:81
- Redox-Property 9:167

Ubiquinone-Q10-Film-Coated 26:297
Ultramicroelectrode 21:95
Ultrasound-Sonicated 5:483
Ultrastructure 40:79
Unc-Mutant 11:29
Uncoupler
- Biomembrane 25:81
- Chemically-Driven 20:223
- Electrochemical-Theory 25:81
- Electrochemical-Transfer 25:71
- Facilitated-Proton-Transfer 25:81
- Inhibitor 20:223
- Ionophore 20:223
- Organic/Aqueous-Interface 25:71
- Proton-Pump 20:223
- Secondary-Reaction 20:223
- Weak-Acid 25:81

Underlying-Process 17:111
Underpotential 14:375
Underpotential-Deposited 17:59
Underpotential-Submonolayer 12:485
Unfolding 9:07
Unidirectional-Flux 4:45
Unified 25:163
Unifying-Hypothesis 11:383
Univalent-Ion 1:343
Unstirred-Layer
- Bilayer-Lipid-Membrane 13:85, 41:187
- Dissipation 41:187
- Dynamics 41:187
- Local-pH-Gradient 41:187
- pH-Gradient 13:85
- Transport 13:85
- Weak-Acid 13:85
- Weak-Base 13:85

Unusual-Form 6:451
Uracil
- Adenine 48:69
- Classification 48:69
- Cytosine 48:69
- Electrocapillary-Measurement 25:137
- Electrode-Surface 25:137
- Electron-Affinity 48:69
- Guanine 48:69
- Half-Wave 48:69
- Interfacial-Behavior 6:165
- Mercury-Electrode 25:137
- Organic-Molecule 48:69
- pH 6:165
- Reduction-Potential 48:69
- Surface-Orientation 25:137
- Thymidine 25:137
- Thymine 25:137, 48:69
- Uridine 25:137

Uranium(VI) 12:475
Uranyl-Ion
- Bilayer-Lipid-Membrane 9:133
- Electric-Breakdown 9:141, 9:149
- Mechanism 9:149
- Modified-Bilayer-Lipid-Membrane 9:141
- Reversible 9:141, 9:149

Urea
- Conformational-Change 9:07
- Controlled-Current 13:15
- Controlled-Potential 13:15
- Creatinine 23:195
- Cyclic-Voltammetry 22:341
- Cytochrome 41:107
- Denaturation 41:107
- Electrochemical-Identification 41:107
- Electrochemical-Removal 7:469
- Electrolysis 13:15
- Enzymatic-Potentiometry 5:63
- Enzyme-Sensor 23:195
- Horse-Heart 41:107
- Human-Serum 5:63
- Human-Serum-Albumin 9:07
- In-Vitro 13:15
- In-Vivo 13:15
- Intermediate-Form 41:107
- Oxidation-Kinetics 22:341
- Physiological-Buffer 7:469
- Polarography 9:07
- Regenerative-Dialysis-System 7:469
- Regenerative-Hemodialysis 22:341
- Unfolding 9:07

Uric-Acid
- Alkaline-Phosphate-Solution 13:343
- Carbon-Paste-Electrode 12:225
- Comparison 9:39
- Electrochemical-Oxidation 9:39, 9:273, 13:343, 24:355
- Imine-Alcohol 9:273
- Intermediate 9:273
- Peak 13:343
- Peroxidase-Catalyzed 9:39, 13:343
- Preconcentration 12:225
- Spectroelectrochemical-Evidence 9:273
- Thiouric-Acid 24:355
- Voltammetric-Oxidation 13:343

Uridine 25:137
Urine 18:137
Utilization
- Biosensor 22:113
- Blood-Cell 7:255
- Cancer-Tissue 7:255
- Glucose-Sensing 26:211
- Low-Negative-Region 26:211
- Membrane-Change 7:255
- Microorganism 22:113
- Peptide 22:113
- pH-Dependent 7:255
- Selective-Occlusion 7:255
- Thin-Film-Electrode 26:211
- Vasculature 7:255

Vacuole 29:327
Vacuole-Chara-Cell 26:403
Valinomicin 1:506
Valinomycin 11:353
Valinomycin-Mediated-Transport 45:17
Vanadium(V) 10:57
Vapor-Phase 37:77
Variable 35:23
Variation

- Alternating-Current-Impedance 38:343
- Biochemical-Characteristics 25:45
- Blood 25:45
- Chemical-Reaction 9:583
- Electrophoretic-Mobility 46:55
- Lipid-Impregnated 38:343
- Membrane-Filter 38:343
- Nitrogen-Source 46:55
- Oil/Water-Interface 9:583
- Oscillating-Potential-Difference 9:583
- Redox-Potential 25:45
- Synechococcus-Plasmalemma-Vesicle 46:55
- Time-Dependent 38:343

Varying-pH
- Adsorption-Stage 8:671, 11:457, 12:205
- Association 8:671, 11:457, 12:205
- Charged-Interface 8:671, 11:457, 12:205, 16:497
- Guanosine 8:671
- Guanosine-Diphosphate 16:497
- Guanosine-Monophosphate 16:497
- Guanosine-Triphosphate 16:497
- Interfacial-Behavior 16:497
- Methylguanosine 11:457, 12:205
- Solution 8:671, 11:457, 12:205, 16:497

Vasculature 7:255
Verapamil 19:499
Verified 43:257
Vesicle
- Alternating-Electric-Field 32:15
- Analog 29:315
- Binding 5:116
- Cation 5:116
- Cell 42:275
- Cellular-Work 6:123
- Deformation 32:15
- Endocytotic-Like-Process 42:275
- Incorporation 42:275
- Induction 42:275
- Ion-Release 29:315
- Light-Scattering 6:123
- Low-Electric-Field 42:275
- Macromolecule 42:275
- Measurement 6:123
- Pardaxin 29:315
- Performance 6:123
- Phosphatidylserine 5:116
- Sarcoplasmic-Reticulum 6:123
- Steady-State 32:15
- Water 6:123

Vesicle |Embedded-» 47:57
Vesicle |Inside-Out-» 16:549
Vesicle |Large-Unilamellar-» 24:323
Vesicle |Lipid-» 34:101
Vesicle |Membrane-» 15:183
Vesicle |Phospholipid-»
- Cadmium 13:127
- Cytochrome-Oxidase 23:265
- Detergent 23:265
- Facilitation 20:99
- Permeability 13:127, 20:99
- Polarography 13:127
- Prothrombin 20:99
- Reconstitution 23:265
- Thallium-Ion 20:99

Vesicle |Small-Unilamellar-» 34:01
Vesicle |Sonicated-»
- Bilayer 20:257
- Calcium-Ion-Binding 20:257
- Divalent-Cation 11:145
- Inner-Monolayer 20:257
- Lipid-Bilayer 11:145
- Outer-Monolayer 20:257
- Stoichiometry 20:257
- Transversal-Perturbation 11:145

Vesicle |Swollen-» 13:191
Vesicle-Suspension 6:323
Vesicular-Compartment 12:183
Vessel 31:215
Viability 38:129
Viamine-B_{12}-Coenzime 1:29
Videomicroscopy |Digitized-» 31:237
Vineyard-Snail
- Bioelectrical-Parameter 37:39, 37:47
- Electromagnetic-Field 37:39
- Helix-Pomatia 37:39, 37:47
- High-Frequency-Electromagnetic-Field 37:39, 37:47
- Magnetic-Field 37:39, 37:47
- Nerve-Cell 37:39, 37:47
- Weak-Low-Frequency-Pulsed-Electromagnetic-Field 37:39, 37:47

Violamycin-B-I 17:81
Viologen 25:425
Viologen-Derivative 38:179
Viologen-Polymer-Electrode 46:227
Virostatic 11:173
Virtually-Solvent-Free 12:341
Visible-Light 7:101
Visual-Cell 3:151
Vital-Function 39:21
Vitamin |K-Group-» 4:335
Vitamin-B12R 3:123
Vitamin-B9 27:465
Vitamin-C
- Cosmetic-Application 48:453
- Electroporation 48:453
- Mechanism 18:59
- Oxidation 18:59
- Radiolytic-Scanning 18:59
- Reduction 18:59
- Topical-Delivery 48:453
- Vitamin-E 18:59

Vitamin-E 18:59
Vitamin-K3 10:485
Voltage-Clamp
- Bioelectric-Excitation 10:109
- Current-Generation-Equation 10:109
- Electrogenic-Ion-Transport 10:109
- Quantitative-Theory 10:109
- Surface-Compartment-Model 9:439

Voltage–Current-Relationship 2:01
Voltage-Dependent 4:287
Voltage-Gated
- Cell-Membrane 34:157
- Electric-Double-Layer 16:559
- Electromediated-Permeabilization 34:157
- Frog-Skeletal-Muscle 34:157
- Ion-Channel 34:157
- Ion-Flux 16:559

Voltage-Induced-Local-Defect 7:617
Voltage-Noise 8:179
Voltage-Sensitive-Channel 10:451
Voltage-Waveform 9:603
Voltammetric-Evidence 41:209
Voltammetric-Oxidation 13:343
Voltammetric-Response 16:213
Voltammetry
- Acetaminophen 12:193
- Acid 24:193
- Acidic-Condition 24:193
- Adsorbed 36:149
- Adsorption 14:389, 34:77, 40:223
- Bacterial-Cell 34:53
- Bacterial-Ferredoxin 12:509
- Basic-Condition 23:227
- Bioanalytical-Application 44:89, 48:217
- Biological-Importance 8:459
- Bone-Marrow 48:171
- Bovine-Erythrocyte 27:229
- Cadmium 26:403, 34:53
- Cadmium-Zinc-Metallothionein 40:223
- Cancerostatic-Actinomycin 36:149
- Capsule 45:275
- Carbon-Electrode 8:437, 45:275
- Carbon-Paste-Electrode 26:469
- Cell-Metabolism 48:217
- Chlorpromazine 33:101
- Clinical-Application 48:171
- Clostridium-Thermocellum 12:509
- Cobalt(II)-Cyclohexylbutyrate 26:469
- Coenzyme 23:227
- Conformation 34:77
- Copper 39:55
- Copper-Complex 45:267
- Cysteine 26:469
- Cytidine-Monophosphate 7:705
- Cytidine-Triphosphate 7:705
- Cytosine 45:267
- Dichlorodiammineplatinum(II) 16:395
- Direct-Electrochemistry 44:177
- Dissociation-Constant 24:193
- Diuretic 32:57
- DNA 26:15
- Dopamine 14:389
- Drug-Interaction 33:101
- Electrochemically-Pretreated 14:389
- Electrode-Reaction 14:389
- Electron-Conduction 16:185
- Entrapped-Cytochrome 37:125
- Ferredoxin 12:509
- Gamma-Irradiation 5:483
- Glassy-Carbon-Electrode 14:389
- Graphite-Electrode 37:125
- Horseradish-Peroxidase 44:177
- Hydrogel-Membrane 37:125
- In-Vivo 12:193, 21:95, 26:403
- Interaction 26:15, 34:53
- Interfacial-Accumulation 16:395
- Interfacial-Behavior 7:705
- Lead 26:15
- Leukaemia 48:171
- Lipid-Coated-Electrode 23:217
- Living-Cell 44:89
- Mammalian-Tumor-Cell 48:217
- Melatonin 45:275
- Membrane-Entrapped 44:177
- Mercury-Electrode 16:395, 40:223
- Mercury-Electrode-Surface 34:77
- Mercury/Solution-Interface 26:359
- Microelectrode 12:193
- Modified-Bilayer-Lipid-Membrane 16:185
- Molecule 8:459
- Monitoring 12:193
- Mononucleotide 7:705
- Native-DNA 5:483
- Neutral-Condition 23:227
- Nucleic-Acid 8:437
- Nucleoside 39:55, 45:267
- Oligonucleotide 7:705
- Online-Analysis 8:459
- Orientation 26:359
- Paracetamol 33:101
- Pharmaceutical-Chemistry 10:07
- Pharmacology 10:07
- Polarography 10:07
- Polyribocytidylic-Acid 34:77
- Primate-Species 12:193
- Purine 39:55
- Purine-Base 39:55
- Pyrroloquinoline 23:227, 24:193
- Quinone 23:227, 24:193
- Redox-Potential 12:509
- Reduced-Form 24:193
- Saccharomyces-Cerevisiae 43:293
- Selective 23:217
- Sensitive 23:217
- Spectroscopy 23:227, 26:15, 44:177
- Superoxide-Dismutase 27:229
- Surface-Activity 26:359
- T-Shanghaiensis 44:89
- Thiobarbituric-Acid 26:359
- Translocated 26:403
- Tricyclic-Antidepressant 23:217
- Ultramicroelectrode 21:95
- Ultrasound-Sonicated 5:483
- Vacuole-Chara-Cell 26:403
- Xipamide 32:57

Voltammetry |Accumulation-» 41:167
Voltammetry |Adsorptive-Extractive-Stripping-» 14:457
Voltammetry |Adsorptive-Stripping-»
- Carbon-Paste-Electrode 38:389
- Chymotrypsin 19:39
- Colloidal-Gold 38:389
- Disulfide 19:39

- Immunogold 38:389
- Protein 19:39
- Tetracycline 15:147
- Trace-Measurement 15:147, 19:39
- Trypsin 19:39

Voltammetry |Adsorptive-Transfer-Stripping-» 28:71
Voltammetry |Alternating-Current-» 29:223
Voltammetry |Anodic-Stripping-» 31:203
Voltammetry |Cathodic-Stripping-»
- Adenine-Nucleotide 12:279
- Aqueous-Media 26:485
- Biological-Media 26:485
- Ceftriaxone 26:485
- Cephalosporin-Antibiotics 26:485
- Coenzyme 12:279
- Dropping-Mercury-Electrode 12:279
- Mercury-Electrode 26:485
- NAD 12:279
- Polyriboadenylic-Acid 12:279

Voltammetry |Closed-Cell-» 7:55
Voltammetry |Cyclic-Differential-Pulse-» 38:315
Voltammetry |Cyclic-»
- Acid 25:415
- Adsorption-Behavior 40:35
- Alternating-Current-Impedance 45:173, 48:469
- Alzheimer's-Disease 28:127
- Aqueous-Solution 5:264
- Bilayer-Lipid-Membrane 12:529, 13:299, 24:01
- Bioassay 44:31
- Calcium-Induced-Ion-Channel 45:173
- Capillary 28:127
- Carbon-Electrode 9:357
- Conducting-Mechanism 48:469
- Copper-Complex 44:31
- Cyclization 34:83
- Deposited 24:01
- DNA 38:77
- DOPA 34:83
- Dye-Modified 43:173
- Dye-Modified-Bimolecular-Lipid-Membrane 16:435
- Ehrlich-Ascite-Tumor-Cell 5:264
- Electric-Property 39:275
- Electroanalytical-Characterization 28:127
- Electrochemical-Characterization 19:111
- Electron-Conduction 13:299
- Enzyme-Electrode 27:153
- Ferredoxin 27:381
- Glucose-Oxidase 27:153
- Glucose-Oxidation 15:157, 17:59
- Gold-Electrode 15:157
- Graphite-Paste-Electrode 28:127
- Hydrophobicity 40:35
- Lipid-Bilayer 27:381
- Metal-Mercaptide-Complex 19:111
- Metalloprotein 19:111
- Metallothionein 19:111
- Methyl-Pheophorbide 25:415
- Mimetic-Compound 44:31
- Mitomycin-C 38:77
- Modified-Electrode 27:381
- Mouse 5:264
- Ovine-Spongiform-Encephalopathy 28:127
- Oxalic-Acid 9:357
- Oxidation 34:83
- Oxidation-Kinetics 22:341
- Oxide-Covered 17:59
- Pheophytin-Enol-Iminium 25:415
- Photosystem-II 25:415
- Platinum 24:01
- Platinum-Bimolecular-Lipid-Membrane 45:173
- Platinum-Electrode 17:59
- Polarity 40:35
- Polycarbazole-Modified-Electrode 34:83
- Primary-Process 25:415
- Quartz-Crystal-Microbalance 40:35
- Quinone 5:264
- Quinone-Compound 5:264
- Rate-Constant 34:83
- Reaction-Kinetics 5:264
- Redox-Reaction 12:529
- Regenerative-Hemodialysis 22:341
- Repeated 28:127
- RNA-Modified-Mercury-Electrode 34:69
- Self-Assembled-Thiol-Monolayer 40:35
- Self-Assembly 24:01
- Serum-Albumin 40:35
- Spectroelectrochemical-Titration 25:415
- Structural-Disorder 48:469
- Superoxide-Dismutase 44:31
- Supported-Bilayer-Lipid-Membrane 39:275, 43:173
- Thallium-Layer 17:59
- Underpotential-Deposited 17:59
- Unmodified-Supported-Thiol-Lipid-Bilayer 48:469
- Urea 22:341

Voltammetry |Differential-Pulse-Stripping-» 29:347
Voltammetry |Fast-Cyclic-»
- Calf-Thymus 7:643
- DNA 7:643
- Guanine-Derivative 7:643
- Guanosine 7:643
- Measurement 38:289
- Neurotransmitter 38:289
- Real-Space 38:289
- Real-Time 38:289

Voltammetry |Inverse-» 8:479
Voltammetry |Linear-Sweep-»
- Acid–Base-Equilibria 28:43
- Adsorption 15:103
- Adsorption-Isotherm-Plot 15:103
- Alpha-Ketoacid 28:43
- Aqueous-Solution 28:43
- Cytochrome 15:103
- Graphite-Paste-Electrode 15:103
- Graphite-Powder/Liquid-Interface 15:103
- Hydration–Dehydration-Equilibria 28:43
- Keto–Enol-Equilibria 28:43
- Parallel 15:103
- Polarography 28:43
- RNAase-A 15:103
- Spectroscopy 28:43

Voltammetry |Null-Potential-» 3:84
Voltammetry |Square-Wave-» 40:215
Voltammetry-Parameter |Cyclic-» 26:321
Volume-Change
- Electric-Breakdown 16:455
- Erythrocyte 16:455
- Experiment 16:455
- Ionic-Composition-Change 16:455
- Kinetics 24:143
- Lipid 24:143
- Liposome 24:143
- Permeability-Change 24:143
- Phase-Transition 24:143
- Simulation 16:455

Volume-Conductor 47:231
Wall-Potential 6:413
Water
- Acetone 23:301
- Actomyosin 6:135, 6:323
- Aggregation 23:301
- ATPase-Induced-Increase 6:323
- Bacteria 11:347
- Bowel-Cancer 13:103
- Calcium-ATPase 17:457, 17:473
- Cellular-Work 6:123, 6:135, 6:323
- Chlorophyll 23:301
- Complex 13:103
- Covered 12:499
- Dielectric-Constant 13:103
- Dioxygen 18:51
- Electroadsorption 11:347
- Electrode 12:499
- Excitation 23:301
- Fluorescence 23:301
- Human-Serum 13:103
- Ion-Distribution 13:473
- Light-Scattering 6:123, 6:135
- Measurement 6:123, 6:135
- Microviscosity 6:323
- Mitochondrial-Reduction 18:51
- Oxidation 12:57
- Patient 13:103
- Performance 6:123, 6:135, 6:323
- Peroxide 18:51
- Phosphoenzyme 17:457, 17:473
- Phospholipid-Membrane 13:473
- Photoelectrolysis 12:499
- Photosynthesis 12:57
- Photosystem-I 12:499
- Photosystem-II 12:499
- Polarization 13:473
- Polarography 23:301
- Porous-Carbon-Electrode 11:347
- Protein-Bound 13:103
- Removal 11:347
- Sarcoplasmic-Reticulum 6:123, 6:323, 17:473
- Solid/Liquid-Interface 13:473
- Spin-Probe 17:457, 17:473
- Steady-State-Level 17:457
- Trace-Amount 23:301
- Vesicle 6:123
- Vesicle-Suspension 6:323
- Wavelength-Selected 23:301

Water-Cleavage 7:101
Water-Electrolyte 35:29
Water-Exchange 7:405
Water-in-Oil
- Charge-Recombination 38:25
- Enzyme 20:291
- Ionic-Strength 20:291
- Kinetics 38:25
- Microemulsion 20:291
- Organogel 38:25
- Phospholipid 38:25
- Photosynthetic-Reaction-Center 38:25
- Solubilization 20:291

Water-Molecule |Bound-» 43:239
Water–Organic-Solvent-Mixture 23:311
Water-Oxidizing-Complex 48:53
Water-Sensitized 12:15
Water-Solution 2:43
Water-Structure 5:185
Water-Transport 13:229
Water/Lipid-Interface 26:139
Water/Nitrobenzene-Interface 23:177
Water/Octanol/Water-System 33:159
Wave |Continuous-» 30:293
Wave |Modulated-» 30:293
Waveform-Parameter 48:27
Wavelength-Selected 23:301
Weak-Acid
- Bilayer-Lipid-Membrane 13:85
- Biomembrane 25:81
- Electrochemical-Theory 25:81
- Facilitated-Proton-Transfer 25:81
- pH-Gradient 13:85
- Transport 13:85
- Uncoupler 25:81
- Unstirred-Layer 13:85
- Weak-Base 13:85

Weak-Base 13:85
Weak-Inductively-Coupled-Pulsating-Current 8:515
Weak-Light-Emission 45:93
Weak-Pulsating-Current 11:373
Welding-Machine 30:265
Wet-Acetonitrile 17:339
Whale-Myoglobin 7:447
Whole-Blood 10:213
Whole-Cell 45:67
Wild-Type 48:101
Wound-Healing 35:13
Wu–Austin-Hamiltonian 48:301
X-Ray-Photoelectron-Spectroscopy 42:15
Xanthosine 4:389
Xenopus-Laevis 47:167
Xeroderma-Pigmentosum 18:271
Xipamide 32:57
Yeast
- Alternating-Current 28:341
- ATPase 16:519
- Bacteria 24:203
- Calmodulin-Antagonist 16:519
- Chemical-Treatment 40:159
- Comparison 16:519, 24:203

- Dehydrogenase-System 28:341
- Electric-Parameter-Change 40:159
- Electric-Pulse 27:33
- Electroinduction 19:397
- Electromagnetic-Field-Parameter 43:67
- Electrostimulation 28:341, 38:423
- Environmental-Factor 27:57
- Ethidium 16:519
- Interaction 16:519
- Isolation 40:159
- Long-Lived 19:397
- Membrane 40:159
- Membrane-Potential 19:397
- Miconazole 16:519
- Millimeter-Wave 43:227
- Mutagenesis 43:227
- Nonuniform-Alternating-Electric-Field 24:203
- Plasmamembrane 16:519
- Potassium-Efflux 16:519
- Proliferation 38:423
- Proliferation-Response 43:67
- Protoplast 40:159
- Saccharomyces-Cerevisiae 27:57, 43:67
- Strontium-Uptake 16:519
- Transmembrane-Potential 27:33
- Ultraweak-Luminescence 27:57
- UV-Induced-Recombination 43:227

Yeast-Cell
- Electric-Energy 31:77
- Electropermeabilization 31:77, 38:149
- Electroporation 47:175
- Frequency-Domain-Dielectric-Spectrometer 11:15
- Growth-Phase 38:149
- High-Voltage-Electric-Pulse 39:195
- Ion-Concentration-Dependence 38:149
- Ion-Translocation-Effect 3:230
- Killing-Efficiency 39:195
- Kinetics 3:230
- Lanthanum 3:230
- Measurement 11:15
- Radiofrequency-Dielectric-Property 11:15
- Rubidium-Uptake 3:230
- Sensitizer-Uptake 47:175
- Surface-Charge 3:230
- Two-Site-Mediated 3:230

Yeast-Cell-Division 16:235
Yersinia-Enterocolitica 43:135
Z-Scheme 17:325
Zea-Mays 7:345
Zea-Mays-Seedling 44:271
Zeaxanthin-Layer 29:357
Zeeman-Model 28:355

Zero-Current-Potential
- Bacterial-Activity 9:699
- Computer-Simulation 9:679
- Culture 9:679, 9:699
- Drug 9:699
- Escherichia-Coli 9:679, 9:699
- Evolution-Time 9:679, 9:699
- Gold-Electrode 9:679, 9:699
- Lipoic-Acid 9:679, 9:699
- Mathematical-Modeling 9:679
- Model 9:699
- NAD^+–NADH-System 3:491
- Significance 3:491

Zero-Potential 47:291

Zinc
- Active-Site 13:407
- Alcohol-Dehydrogenase 13:407
- Cadmium 6:337, 22:299
- Carbonic-Anhydrase 22:299
- Carboxypeptidase 22:299
- Cobalt(II) 6:337
- Complexation 6:337, 40:215
- Copper 6:337, 22:299, 36:165
- Differential-Pulse-Polarography 22:299
- Horse-Liver 13:407
- Imidazole 6:337
- Iron 36:165
- Kinetics 36:165
- Metallothionein 40:215
- Metallotropic-Form 22:299
- Nickel 6:337
- Physiological-Condition 6:337
- Polarography 13:407, 36:165
- Potentiometry 6:337
- Proton 6:337
- Square-Wave-Voltammetry 40:215
- Superoxide-Dismutase 36:165

Zinc-Binding
- Alcohol-Dehydrogenase 9:333
- Glutamate-Dehydrogenase 9:345
- Polarography 9:333, 9:345

Zinc-Center 43:157
Zinc-Complex 2:329
Zinc-Cysteine-Histidine 8:49
Zinc-Glycine 8:49
Zinc-Glycine-Cysteine-System 8:49
Zinc-Glycine-Histidine-System 8:49
Zinc-Histidine 8:49
Zwitterion 9:733
Zymosan-Activated 46:255